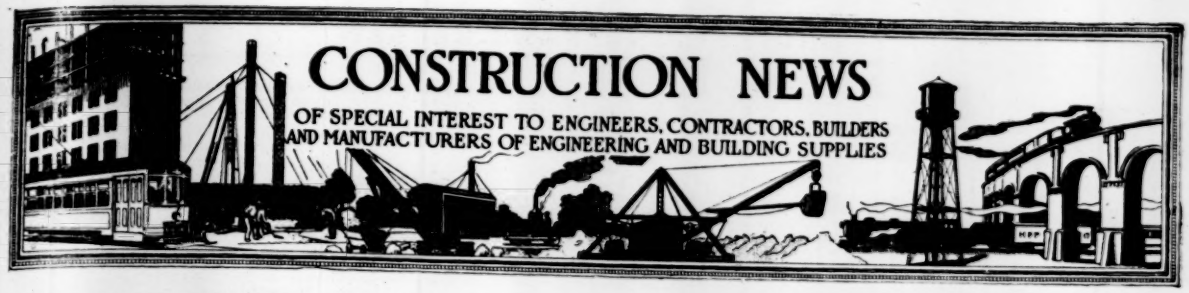
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

"For Proposals Advertised see the pages immediately following the Construction News Section."

WATERWORKS

Bids Close		See Eng. News-Record
June 15	Duluth, Minn.	May 29
June 16	Freeport, Pa. Adv. June 5 and 12.	June 12
June 18	Dearborn, Mich. Adv. June 12.	June 12
June 18	Beggs, Okla. Adv. May 29 and June 5.	June 5
June 18	Dearborn, Mich.	June 12
June 19	Gilboa, N. Y. Adv. June 5 and 12.	June 5
June 23	Lusk, Wyo. Adv. June 12.	June 12
June 24	Toledo, O.	June 5
June 25	Fountain Inn, S. C. Adv. June 5 and 12.	June 12
June 26	Morris Plains, N. J.	June 12
July 16	Decorah, Ia.	June 12

SEWERS

June 14	Brookhaven, N. Y.	May 29
June 14	Port Jefferson, N. Y. Adv. May 29 and June 5.	June 5
June 15	Kenora, Ont.	June 12
June 16	St. George, S. I., N. Y.	June 12
June 16	Lansing, Mich. Adv. June 12.	June 12
June 17	Portland, Me. Adv. June 5.	June 5
June 17	Oklahoma City, Okla.	June 12
June 18	Long Island City, N. Y.	June 12
June 19	Empro, Ont.	June 12
June 19	New York, N. Y.	June 12
June 20	Roselle Park, N. J. Adv. June 12.	June 12
June 23	Lansing, Mich. Adv. June 12.	June 12
June 23	Dundas, Ont.	June 12
June 24	Toledo, O.	June 5
June 25	Lima, O. Adv. June 5 and 12.	June 5
June 25	Jamesburg, N. J.	June 12
June 26	Greenwich, Conn. Adv. June 12.	June 12
June 27	Sherburn, Minn.	June 12
June 27	Deshler, Neb.	June 12
July 1	Wakefield, Neb.	June 12

BRIDGES

June 16	Manitowoc, Wis.	May 29
June 16	Valdosta, Ga. Adv. May 22, 29 and June 5.	May 22
June 17	Pineville, W. Va. Adv. June 5.	June 5
June 18	Red Oak, Ia.	June 5
June 19	Harrisburg, Pa. Adv. May 29.	May 29
June 20	Manitowoc, Wis.	June 12
June 20	Salem, Ore.	June 12
June 23	Osceola, Mo.	May 29

STREETS AND ROADS

June 13	Ebensburg, Pa.	June 5
June 13	Hinton, W. Va.	May 22
June 13	Maine	June 12
June 14	Racine, Wis.	June 12
June 14	Sheboygan, Wis.	June 12
June 14	Scranton, Pa.	June 12
June 15	North Braddock, Pa.	June 12
June 15	Beaver Crossing, Neb.	May 29
June 16	Indianapolis, Ind.	June 12
June 16	Elk River, Minn.	May 22
June 16	Fayetteville, Ark. Adv. June 5 and 12.	May 29
June 16	Osceola, Neb.	June 12
June 16	Ebensburg, Pa.	June 5
June 16	Dublin, Ga.	June 5
June 16	California	June 5
June 16	Berlin, Wis.	June 12
June 16	South Orange, N. J.	June 12
June 16	Union, N. J.	June 12
June 16	Ainsworth, Neb.	June 12
June 16	Banham, Tex.	June 12
June 16	Sheboygan, Wis.	June 12
June 16	Irvington, N. J.	June 12
June 16	Arkansas	June 12
June 16	Chicago, Ill.	June 12
June 17	Cincinnati, O.	June 12
June 17	Britt, Ia.	June 12
June 17	Murfreesboro, Tenn.	June 12
June 17	Chester, Pa.	June 12
June 17	Humboldt, Neb.	June 12
June 17	Oklahoma City, Okla.	June 12
June 17	Jersey City, N. J.	June 12
June 17	Virginia	June 12
June 17	Buffalo, N. Y.	June 12
June 17	Ft. Collins, Colo. Adv. June 12.	June 12
June 17	Plymouth, Wis.	June 12
June 17	Henderson, N. C.	June 5
June 17	Sabetha, Kan.	June 12
June 17	Massachusetts	June 12
June 17	Enumclaw, Wash.	June 12
June 17	New York Adv. June 5 and 12.	May 29
June 17	Pennsylvania	May 29
June 17	Elbow Lake, Minn. Adv. June 5 and 12.	May 22
June 17	Luzerne, Minn.	May 22
June 17	Plymouth, Wis.	May 29
June 18	Helena, Mont.	June 12
June 18	Marion, Kan.	June 12
June 18	Baltimore, Md.	June 12
June 18	Pratt, Kan.	June 12
June 18	Moorehead, Minn.	May 22
June 18	New Mexico	May 29
June 18	Massachusetts	June 5
June 18	Illinois	June 5
June 18	Red Oak, Ia.	June 5
June 18	Little Falls, Minn.	June 5
June 19	Port Huron, Mich.	June 12
June 19	Attleboro, Mass.	June 12
June 19	Hampton, Ia. Adv. June 12.	June 12
June 19	Chicago, Ill.	June 12
June 19	Little Falls, Minn.	May 22
June 19	Junction City, Kan.	May 22
June 19	Brainerd, Minn.	May 29
June 19	Pittsburgh, Pa.	June 5
June 19	St. Edward, Neb.	June 5
June 19	Winfield, W. Va.	June 5
June 19	Pittsburgh, Pa.	June 5
June 19	Junction City, Kan.	June 5
June 20	Harrisonville, W. Va.	May 22
June 20	Newton, Ia.	June 12
June 20	Indianapolis, Ind.	May 29
June 20	Sydney, Ia.	June 5
June 21	Indianapolis, Ind.	May 29
June 21	Indianapolis, Ind.	June 5
June 21	West Allis, Wis.	June 12
June 21	Montreal, Que.	June 12
June 23	Wichita, Kan.	June 5
June 23	Jackson, Tenn.	June 5
June 23	Toledo, O.	June 5
June 23	Coatesville, Pa. Adv. June 12.	June 12
June 23	Geneva, N. Y. Adv. June 12.	June 12
June 23	North Adams, Mass. Adv. June 12.	June 12
June 23	California	June 12
June 23	Martinsburg, W. Va.	June 12
June 23	Duluth, Minn.	June 12
June 24	McPherson, Kan.	June 12
June 24	Grand Rapids, Minn.	June 12
June 24	McCook, Neb.	June 12
June 24	Marshall, Minn.	June 12
June 24	Washington	June 12
June 24	Greensburg, Pa.	June 12
June 24	Indianapolis, Ind.	June 12
June 24	Pennsylvania Adv. June 5 and 12.	June 12
June 24	New Mexico	May 29
June 24	Massachusetts	June 5
June 25	Washington	June 12
June 25	Athens, Ala.	June 12
June 25	Reading, Pa. Adv. June 12.	June 12
June 25	Trenton, N. J.	June 12
June 25	Aberdeen, Wash.	June 12
June 25	Madison, Minn.	June 12
June 26	Jersey City, N. J.	June 12
June 26	Arkansas Adv. June 12.	June 12
June 27	Hiawassie, Ga.	June 5
June 27	Indianapolis, Ind.	June 5
June 27	Aberdeen, Wash.	June 5
June 27	Litchfield, Minn.	June 12
June 27	Ohio	June 12
June 28	Litchfield, Minn.	June 12
June 28	East Liverpool, O.	June 12
June 28	Fairmont, W. Va.	June 12
June 30	Brunswick, Ga. Adv. June 5.	June 5
June 30	Kearney, Neb.	June 12
June 31	Salt Lake City, Utah	June 5
July 1	Marshall, Ark.	May 22
July 1	Benkelman, Neb.	June 12
July 1	New York Adv. June 12.	June 12
July 2	Grand Rapids, Minn.	June 12
July 2	Burlington, N. J. Adv. June 12.	June 12
July 2	Hayes Center, Neb.	June 12
July 3	Stockville, Neb.	June 12
July 5	Omaha, Neb.	June 12
July 5	Brunswick, Ga. Adv. June 5 and 12.	June 12
July 7	Indianapolis, Ind.	June 5
July 8	Elkins, Va. Adv. June 12.	June 12

EXCAVATION AND DREDGING

June 16	Dover, Del. Adv. June 12.	June 12
June 17	Burlington, Ia. Adv. May 29 and June 5.	June 5
June 17	Manahawkin, N. J.	June 12
June 18	Portland, Ore.	June 12
June 18	Beaufort, N. C.	June 12
June 21	Thornwell, La.	June 12
June 25	Jackson, Tenn.	June 12
July 1	Edwardsville, Ill.	May 15

INDUSTRIAL WORKS

June 15	Manitowoc, Wis.	May 29
June 15	Sheboygan, Wis.	May 29
June 15	Milwaukee, Wis.	June 5
June 16	Marquette, Mich. Adv. May 29 and June 5.	June 5
June 16	New Orleans, La.	May 22
June 16	Reading, Pa.	June 12
June 30	Port Arthur, Ont.	June 12
July 1	Shawenegan Falls, Que.	June 12
Aug. 1	Hastings, Minn.	May 15

BUILDINGS

June 14	Willard, Minn.	June 12
June 15	Anoka, Minn.	May 8
June 15	Rosebud, Tex.	June 5
June 15	Ranger, Tex.	June 5
June 15	International Falls, Minn.	June 12
June 15	Willmar, Minn.	June 12
June 16	Camden, N. J.	June 12
June 16	Los Angeles, Cal.	June 5
June 16	Wichita Falls, Tex.	June 12
June 16	Columbus, O.	June 12
June 16	Welland, Ont.	June 12
June 16	Moose Lake, Minn.	June 12
June 17	Newark, N. J.	June 12
June 17	Jersey City, N. J.	June 12
June 17	Wilmar, Minn.	June 12
June 17	Morenci, Ariz.	June 5
June 17	Ossining, N. Y. Adv. May 22, 29 and June 5.	May 22

Bids Close		See Eng. News-Record
June 17	Union Hill, N. J.	May 29
June 20	New York, N. Y.	June 12
June 20	Clinton, S. C.	June 12
June 21	Glen Lake, Minn.	June 12
June 23	Camden, N. J.	June 12
June 23	Newark, N. J.	June 12
June 23	Brighton, Colo.	June 12
June 23	Englewood, Colo.	June 12
June 24	Ossining, N. Y. Adv. June 12.	June 12
June 25	Two Rivers, Wis.	June 12
June 26	San Jose, Cal.	June 12
June 27	Russell, Minn.	June 12
July 1	Austin, Minn.	May 29
July 1	Bimidji, Minn.	June 12
July 1	Middletown N. Y.	June 12
July 1	Youngstown, Alta.	June 12
July 1	Raymond, Alta.	June 12
July 2	Huntington, W. Va. Adv. May 29, June 5 and 12.	May 29
July 2	Fargo, N. D. Adv. June 5 and 12.	June 12
July 4	West Bethlehem, Pa.	June 12
July 15	Fraserville, Que.	June 12
Aug. 1	Kenosha, Wis.	May 15

FEDERAL GOVERNMENT WORK

June 13	Furnaces — Washington, D. C.	June 5
June 16	Dredging — New York, N. Y. Adv. May 22, 29, June 5 and 12.	May 22
June 16	Boiler—Cairo, Ill.	May 29
June 16	Boiler—Cincinnati, O.	May 29
June 18	Jetty Repairs—Galveston, Tex.	May 29
June 18	Dredging — Spec. 3898 — Paris Island, S. C.	June 5
June 18	Radio Building—Spec. 3902 —Cayey, P. R.	May 29
June 18	Post Office—Clinton, S. C. Adv. May 29 and June 5.	May 29
June 18	Buildings — Spec. 3908 — Charleston, S. C.	June 5
June 18	Crane Runaways — Spec. 3678—New York, N. Y.	June 5
June 18	Additions to Ship Fitters—Spec. 3920—Boston, Mass.	June 5
June 18	Building, Railroad, Sewer, Shop and Water Works System — Spec. 3909 — Hampton Roads, Va.	June 5
June 18	Storehouses—Spec. 3916—Quantico, Va.	June 12
June 18	Roads and Walks—Spec. 3881—Cape May, N. J.	June 5
June 18	Pavement — Spec. 3913 — Washington, D. C.	June 5
June 18	Pier—Spec. 3918—Hampton Roads, Va.	June 5
June 18	Bridge — Spec. 3907 — Hampton Roads, Va.	June 5
June 18	Wharf — Spec. 3910 — Quantico, Va.	June 5
June 18	Dredge—Spec. 3898—Port Royal, S. C.	June 5
June 19	Levee Work—St. Louis, Mo. Adv. May 22, 29 and June 5.	May 22
June 19	Wall—Washington, D. C.	June 5
June 19	Lock and Abutment — Louisville, Ky. Adv. May 22, 29, June 5 and 12.	June 5
June 20	Foundation — Baltimore, Md.	June 12
June 20	Boilers—Memphis, Tenn. Adv. May 22, 29 and June 5.	May 22
June 20	Boiler—New Port News, Va.	June 5
June 23	Steel, Forgings, Castings, etc.—Wheeling, W. Va. Adv. May 29, June 5 and 12.	May 29
June 23	Dredging—New York, N. Y. Adv. May 22, 29, June 5 and 12.	May 29
June 23	Road Work — Holbrook, Ariz.	June 12
June 23	Sewage Disposal System — Washington, D. C. Adv. June 5.	June 5
June 24	Dredging—Portland, Me. Adv. May 29, June 5 and 12.	May 29
June 25	Piles and Lumber—New Orleans, La. Adv. May 29, June 5 and 12.	May 29
June 25	Cranes—Spec. 3933—New York, N. Y.	June 5
June 25	Elevators — Spec. 3934 — New York, N. Y.	June 5
June 25	Pattern Shop—Spec. 3478—Philadelphia, Pa.	June 5
June 25	Administration Building, Roads and Walks—Spec. 3922—San Diego, Cal.	June 5
June 25	Hospital — Spec. 3931 — Pearl Harbor, H. T.	June 12
June 25	Assembly Shop—Spec. 3927 —Philadelphia, Pa.	June 12
June 25	Pipe Line—Spec. 3939—San Diego, Cal.	June 12
June 25	Tank and Tower—Spec. 3935 —Paris Island, S. C.	June 12
June 25	Tank and Tower—Spec. 3937 — Coddington Point, R. I.	June 12
June 25	Tank Tower—Spec. 3936 —Hampton Roads, Va.	June 12
June 25	Rebuilding Shipbuilding Ways—Spec. 3590 — New York, N. Y.	June 5
June 25	Distributing System—Spec. 3921—San Diego, Cal.	June 5
June 25	Bulkhead — New Orleans, La. Adv. May 29, June 5 and 12.	May 29
June 27	Air Compressors—Florence, Ala.	May 29
June 27	Dredging—Newport, R. I. Adv. May 29, June 5 and 12.	June 5
June 27	Post Office — Houghton, Mich.	May 29
June 27	Coal—New Orleans, La. Adv. May 29, June 5 and 12.	May 29
June 30	Building Wing — West Point, N. Y. Adv. June 5 and 12.	June 12
June 30	Revetment Repairs — Milwaukee, Wis.	June 12
July 1	Post Office—Towah, Wis.	June 5
July 1	Fuel Oil — Washington, D. C.	June 12
July 2	Dredging—New York, N. Y. Adv. May 29, June 5 and 12.	June 5
July 7	Steel—Philadelphia, Pa. Adv. June 5 and 12.	June 5
July 7	Locks and Dam—Pittsburgh, Pa. Adv. June 12.	June 12
July 8	Gate—Operating Machinery —Cincinnati, O. Adv. June 12.	June 12
July 8	Post Office — Pittsburg, Tex.	June 12
July 8	Lighthouse — Philadelphia, Pa.	June 12
July 9	Post Office — Montevideo, Minn. Adv. June 12.	June 12

MISCELLANEOUS

June 15	Grain Tanks — Carthage, Mo.	June 5
June 16	Motors and Pumps—Galesburg, Ill. Adv. June 12.	June 12
June 16	Electrifying—Lackawanna, N. Y. Adv. June 12.	June 12
June 16	Water Meters—St. Paul, Minn.	June 12
June 17	Sewer Pipe—Chipley, Fla.	June 12
June 18	Pier, etc.—Chaumont, N. Y.	May 29
June 20	Pipes and Special Castings —Akron, O.	June 12
June 20	Paving Brick—Carrick, Pa.	June 12
June 27	Power Plant Equipment — Los Angeles, Cal.	June 12
June 30	Lever, Bridge — Junction, Kan.	June 12
June 30	Flood Prevention Project —Lebanon, Pa. Adv. June 12.	June 12
July 2	Water Tube Boilers and Stokers and Radial Brick Chimney—Lorain, O.	June 12

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Binghamton—Bd. Pub. Wks. soon receives bids laying new water mains in Snow, Summer, Cleveland and Saratoga Aves. About $22,000. J. A. Giles, comr.

Pa., McKeesport—City defeated $550,000 bonds for rehabilitation of waterworks system. Noted Mar. 20.

S. C., Andrews—City plans election to vote on $75,000 bonds to lay water mains in principal streets, bore deep wells, install well pumps and build pumping station. Tomlinson Eng. Co., Loan & Exch. Bank Bldg., Columbia, engrs.

Fla., Pensacola—City voted $15,000 bonds to extend and improve water system. J. L. Sweeney, city engr.

Ky., Louisville—Louisville Water Co., 435 South 3rd St., plans to improve waterworks system.

O., Springfield—City Manager recommended that city commission build 2300 ft. 42 in. c. i. or steel conduit to increase water supply. About $38,000.

Mich., Grosse Pointe—Village soon lets contract furnishing material and laying 2120 ft. 6-in. water mains in the University Pl., Kercheval Ave. and Cadieux Rd. A. L. Brown & Son, 821 Chamber of Commerce, Detroit, engrs.

Ill., East Moline—City plans election to vote on bonds to build new pumping station on 11th St. and 3rd Ave., to include 2 pumps for pumping sewage. About $28,000.

Wis., Racine—City soon lets contract laying water mains and sewers in Prospect St., Blake and Lake Aves., Hilker and Davis Places.

Neb., Indianola—City voted $32,000 bonds to extend waterworks system. Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs.

N. D., Leeds—City plans to build 500,000 gal. steel tank on 100 ft. steel tower, 100,000 gal. rein.-con. reservoir and settling basin, brick pump house, 100 gal. per minute pump, with engine, 21 blocks of 6 in. c. i. mains, 14 fire hydrants, etc.

Wyo., Sheridan—City plans to install over 2200 water meters. About $60,000. H. M. Huntington, Sheridan, engr.

Cal., Haywood—City had estimate made by Olmsted & Gillelen, engrs., 1112 Hollingsworth Bldg., Los Angeles, for water system, to include wells and distributing system of heavy iron pipe, pumps, standpipes, etc. About $228,000. Election will be held to vote on bonds for project.

Ont., York—Township soon lets contract building 35,204 ft. 6 in. c.i. water mains in various streets. About $125,000. F. Barber, 40 Jarvis St., Toronto, engr.

BIDS DESIRED

N. Y., Lackawanna—See "Miscellaneous."

N. J., Morris Plains—Until June 26, by Dept. of Architecture, 142 West State St., Trenton, laying 6-10 in. water mains at State Hospital here. About $10,000. F. H. Bent, engr.

Pa., Freeport—Until June 16, by Freeport Water Works Co., completing concrete and structural work in connection with proposed water plant. J. R. Taylor, mgr. L. Hudson, 801 House Bldg., Pittsburgh, engr.

S. C., Fountain Inn—Until June 25, by Bd. Pub. Wks., building steel water tower and tank for waterworks system. Capacity of tank to be 50,000 gal. and height of tower 110 ft. from top of foundation piers to floor of balcony. D. M. Garrett, chn.; advertised in this issue.

Mich., Dearborn—Until June 18, by F. C. Roamer, village clk., building water mains involving 41,850 ft. 6-10 in. c.i. pipe and necessary valves, fittings and hydrants; advertised in this issue.

Ia., Decorah—Until July 16, by City Council, laying 11,400 lin.ft. 4 in. water mains, with necessary connections, valves, etc., also connecting with old mains where they intersect (contractor to furnish labor, lead and oakum). Bids will also be received for relaying 600 ft. 10 in. vitr. sewer pipe. M. D. Wells, city clk.; advertised in this issue.

Wyo., Lusk—Until June 23, by Town Council, furnishing and installing 24,130 ft. 4-10 in. c.i. pipe, Class "B" American Waterworks Standard. Hydrants and valves will be furnished by town, separate bids on which will be received at same time as foregoing; 45 fire hydrants, 60 4-14 in valves, with valve boxes, American Waterworks Standards will be required. R. F Gray, town engr.; advertised in this issue

Waterworks (Continued)

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Salem—City received bids June 6, laying 3200 ft. 36 in. c. i. pipe, from G. T. Rendle Co., East Boston, $29,281, T. A. Scott Co., 113 State St., Boston, $29,610, Boston Dredging Co., 172 Condor St., East Boston, $38,715. Noted May 29.

★**Conn., Hartford**—Bd. Contr. and Supply, Municipal Bldg., let contract building portion of Gully Brook Conduit, to A. W. Bryne, Hartford, $42,244. Noted May 29.

N. Y., Central Islip—State Hospital Comn., Capitol, Albany, received lowest 3 bids June 4, for waterworks system to serve additional buildings to be constructed at Central Islip State Hospital, here, from Baker, Dunbar, Allen & Co., Phila. Stock Exch. Bldg., Phila., $52,000, H. E. Fox Constr. Co., 81 East 125th St., New York City, $54,900, L. E. Kelly, New York City, $56,000. Noted May 15 under "Buildings."

N. Y., Newark—City received lowest 3 bids June 2, building gravity water supply system, Div. 1, earthen dam and dykes, from Lupfer & Remick, Ellicott Sq., Buffalo, $66,918, Brown, Low & Low Bros., $68,425, Foundation Co., 233 Bway, New York City, $69,067; Div. 3, laying (a) bell and spigot pipe, (b) universal pipe, from J. F. Leary Constr. Co., Cutler Bldg., Rochester, (a) $31,125, (b) $31,125; Foundation Co., 233 Bway., New York City (a) $38,280, (b) $24,474; B. Pizzimento, (a) $4,429, (b) $37,130; Div. 4, furnishing and delivering (a) bell and spigot c.i. pipe and specials, (b) universal pipe, from United States Cast Iron Pipe & Fdry. Co., 71 Bway., New York City, (a) $85,405, Warren Fdry. & Machine Co., 11 Bway., New York City, (a) $88,873, Camden Iron Wks., Camden, N. J., (a) $90,832, Universal Fdry. Co., (b) $115,707. Noted May 15.

★**N. Y., Newark**—City let contract building Div. 2 of gravity water supply system, filtration plant, to Norwood Eng. Co., $24,960. Noted May 15.

★**N. Y., New Hampton**—City let contract furnishing all labor and material for driving well, to A. J. Conlon, North 10th St., Newark, N. J. About $6500.

★**N. Y., New York**—J. H. Hayes, comr. water supply, gas and electricity, Municipal Bldg., let contract furnishing, delivering and laying 12-in. water main under East River from East 140th St. to North Brother Island, to Masterson Constr. Co., New York City. About $6900. Noted Apr. 10.

N. Y., Poughkeepsie—State Hospital Comn., Capitol, Albany, received lowest 3 bids building additions and altering water supply system, to include additional filter, changing watermain, building reservoir, etc., at Hudson River State Hospital, here, from Baker-Dunbar-Allen Co., Phila. Stock Exch. Bldg., Phila., $52,000; H. E. Fox Constr. Co., 81 East 125th St., New York City, $54,700; L. E. Kelly, 189 Montague St., Brooklyn, $56,000 Noted May 22.

★**N. J., Jersey City**—City let contract laying 72 in. steel water pipe between Boonton Reservoir and here, Sect. 1, duplicating existing syphons between Boonton reservoir and Passaic River at Lyndhurst, to J. T. Brady Co., 103 Park Ave., New York City. Sect. 2 not awarded yet. Noted June 5.

★**Cal., Avalon**—Santa Catalina Island Co., Pacific Electric Bldg., Los Angeles, let contract building 300,000 gal. concrete reservoir, grading 8 streets and building cement sidewalks on Metropole Ave., to Tyron & Brain, Merchants Trust Bldg., Los Angeles.

Sewers

PROPOSED WORK

Mass., Revere (Boston P. O.)—City having plans prepared for building sewer extensions to present system. About $15,800. J. Lockhart, city engr.

R. I., Pawtucket—City appropriated $83,250 bonds to build sewers in various streets. I. Gill, comr. pub. wks.

Conn., New London—City appropriated $200,000 bonds to build sewers in various streets. G. K. Crandall, city engr.

N. Y., Lake Placid—Village plans election soon to vote on $19,000 bonds to build 2700 ft. 15 in. sewer in Main St. H. T. Hull, village engr.

N. Y., Schenectady—City plans to issue $60,000 bonds to build surface water sewers in Palmer and Livingston Aves., Eastern Parkway and Union St.; sanitary sewers in Union and Wendell Aves., Nott and Summer Sts. L. Sebring, city engr.

N. J., Belleville—City plans to build Sect. 7 of Sewerage System. About $10,000. F. T. Shepard, city engr.

N. J., Lyndhurst—Bd. Comrs. plans to build 2 storm water drains in northwesterly section of town. About $35,000. T. F. Bowe, town engr.

Pa., Erie—City having plans prepared for 2 mi. Garrison Run Sewer, 1st section to consist of 6 ft. segmental block sewer. About $103,000. F. G. Lynch, city engr.

Pa., Wilkinsburg—Boro. soon lets contract building sewers in sections of Penn Ave., Anderson St., and Wallace and North Aves., involving 4831 ft. 8-24 in. pipe and 13 manholes; also constructing concrete culvert to enclose Nine Mile Run from southerly end of present culvert on Biddle Ave., southwardly a distance 390 ft., to connect same with Lamar Ave. culvert (about 15 ft. long), involving 405 ft. 10 and 12 ft. concrete culvert pipe. Frease & Spurling, 510-511 Carl Bldg., engrs.

W. Va., Parkersburg—City plans election to vote on $100,000 bonds to build sewage disposal plant.

Fla., Pensacola—City voted $50,000 bonds to extend and improve sewerage and drainage system. J. L. Sweeney, city engr.

O., Dayton—Montgomery Co. having plans prepared building sanitary sewerage system in Mt. Auburn Sewer Dist. F. Cellarius, 1001 Commercial Bldg., engr.

Mich., Detroit—Dept. Pub. Wks. soon lets contract furnishing all labor and material (except iron manhole rings and covers), building and finishing complete, together with backfilling, lateral sewers No. 3076, No. 3131, No. 3134, No. 3140, No. 3141, No. 3144, No. 3152, No. 3153, No. 3154, No. 3155, No. 3156, No. 3157, involving 30,858 ft. 12-24 in. vitr. crock sewers, 71 brick manholes, etc. C. W. Hubbell, city engr.

Mich., Ecorse—City having plans prepared by R. A. Murdock, engr. Ecorse, for complete sewerage system, involving several miles of lateral sewers with sewer outlet.

Wis., Clintonville—City plans to excavate and lay 1.9 mi. sewers in Main and Elm Sts., involving 1000 ft. 8-12 in. vitr. pipe. About $25,000. L. P. Pelishek, Clintonville, engr.

Wis., Oconto—City soon lets contract laying 2176 lin.ft. 10-18 in. sewers, including manholes, catch basins, etc. H. R. Albert, Green Bay, engr.

Ia., Aurelia—Town soon lets contract building Sect. 1, sewage disposal plant, consisting of tank, dosing chamber, sludge bed, filter beds, connection and discharge lines, Sect. 2, laying 8-12 in. sewer pipe. L. E. Christensen, clk.

Minn., Farmington—E. H. Dosey, village clk., receives bids in July building sewer and water extensions and paving about 20 blocks of streets. Druar & Smith, 513 Globe Bldg., St. Paul, engrs.

Minn., Walnut Grove—D. A. Melloy, city clk., receives bids in July building sewers and disposal tank. About $50,000. Druar & Smith, 513 Globe Bldg., St. Paul, engrs.

Neb., Friend—City receives bids about July 15, building sanitary sewerage system. About $30,000. Grant, Fulton & Letton, 505 Bankers Life, Lincoln, engrs.

Mo., St. Joseph—City voted $750,000 bonds to extend main sewers. Noted Mar. 27.

Ore., North Bend—City soon lets contract building sewer in Sherman Ave., cement or vitr. pipe. About $35,000. R. L. Cavanaugh, city engr. Noted Apr. 3.

Ore., Portland—City Council adopted resolution to build sewers in 2 sections of 64th Ave., 3 sections of 59th Ave., 2 sections of 56th Ave., 3 sections of 57th Ave., 2 sections of 58th Ave., 2 sections of Woodstock Ave., 1 section of 61st, 62nd, 63rd and 55th Aves.; also in 1 section of 42nd, 43rd, 55th, 56th and 57th Sts., and 2 sections of 44th St., 3 sections of 51st St. and 3 sections of 52nd St., vitr. or cement pipe. About $160,413. O. Laurgaard, city engr.

Ore., Seaside—City soon lets contract for complete sewerage and drainage systems in Hermosa Park. G. W. Boschke, city engr.

Que., Quebec—W. D. Baillarge, engr., City Hall, soon receives bids building drainage system on Beauport and Charlesbourg Rds. About $19,000.

BIDS DESIRED

Conn., Greenwich—Until June 26, by Joint Sewerage Comn., furnishing all labor and material for completing new 24 in. outfall sewer from junction of east side and west side trunk sewers to Joint Sewage Disposal Plant, on Grass Island for Greenwich Boro. and Sewer Dist. No. 6. A. S. Mead, clk.; advertised in this issue.

N. Y., Long Island City—Until June 18, by M. E. Connolly, pres. Queens Boro., building sewer and appurtenances in Monteverde Ave. from Grand St. to Hull Ave., 2nd Ward; Idaho St. from Queens to Laburnam Aves., 3rd Ward; Narcissus St. from Robinson to Bowne Aves., 3rd Ward.

N. J., Jamesburg—Until June 25, by Dept. of Architecture, 142 West State St., Trenton, building sewerage system at State Home for Boys, involving three 12 x 35 ft. tanks, 10 ft. syphon, 54 ft. stone filter bed, 32 ft. sludge bed and terra cotta pipe. F. H. Bent, engr.

N. J., Roselle Park (Elizabeth P. O.)—Until June 20, by Boro. Council, building sanitary sewers in Colfax, Roselle and Lincoln Aves., Filbert and Elm Sts., involving 5442 lin.ft. 8 in. sewer, 23 manholes and 352 branches. J. W. Higgins, boro. engr.; advertised in this issue.

Pa., Scranton—See "Streets & Roads."

Mich., Lansing—Until June 16, by J. A. Parson, city clk., building sewer in West and Memphis Sts., involving 3000 ft. 54-72 in. trunk sewer; advertised in this issue.

Mich., Lansing—Until June 23, by J. A. Parson, city clk., building sewer in 43rd Sewer and Drain Dist., involving 25,000 ft. 8-42 in. trunk and lateral sewers; advertised in this issue.

Minn., Sherburn—Until June 27, by E. E. Risley, village recdr., building general and joint sewer district and lateral sewers together with disposal plant, manholes and appurtenances, involving 30,300 ft. 8-18 in. sewer pipe. A Fick, Boone, Ia., engr.

Neb., Deshler—Until June 27, by city, building 8-12 in. vitr. sewer pipe in various streets. About $30,000. W. E. Standeven, 414 Bee Bldg., Omaha, engr.

Neb., Wakefie'd—Until July 1, by city clk., building 17,240 ft. of 8 in., 4943 ft. of 10 in., 3320 ft. of 12 in., and 1405 ft. 15 in. vitr. stone sewer pipe in various streets. About $30,000. W. E. Standeven, 414 Bee Bldg., Omaha, engr.

Okla., Oklahoma—Until June 17, by city, laying lateral sewers in Highland Park addition, involving 4800 ft. 8 in. vitr. pipe, etc. About $20,000.

Ont., Dundas—Until June 23, by Sewer Com., Town Hall, for sewage disposal works, sewage pumping station and force main, outfall sewer, sewage pumping machinery, sprinkler equipment, valves and piping, sanitary sewers, sewer pipes and specials. About $80,000. A. W. Draeseke, chn. C. R. Murdock, engr.

Ont., Embro—Until June 19, by A. Murray, engr., laying 5801 lin.ft. tile sewer with catch basins, and concrete wall (all complete).

Ont., Kenora—Until June 15, by J. E. Currie, city clk., building sewers. About $18,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—Metropolitan Water & Sewer Bd. received bids June 6, building 3600 ft. 15-18 in. sewer extension, vitr. Akron pipe, Woburn and Stoneham Twps. from Rendle Stoddard Co., Chelsea, $17,694; G. M. Bryne Co., 166 Devonshire St., $19,200; Coleman Bros., Chelsea, $20,100. Work involves 300 cu.yd. concrete, 300 cu.yd. back fill of gravel.

★**Mass., Lynn**—City let contract building 24 in. concrete pipe drain with structures in Union St., to A. Baruffaldi, Somerville, $38,054. Noted May 15.

★**N. Y., New York**—H. Bruckner, pres. Bronx Boro., let contract building sewers and appurtenances in East 180th St., to J. E. Connolly, $3243; building combined sewers in Holland Ave., to Fenlack Constr. Co., 233 Bway., $365,375. Noted May 22.

Sewers (Continued)

★**Pa., Erie**—City Council let contracts for completion of Sects. 3 and 4 of Mill Creek Flood Control Project, to Scott Bros., Arlington Blk., Rome, N. Y., $589,068 and $451,458 respectively; Sect. 5, to Erie Concrete & Steel Co., 13th and Cranberry Sts., Erie, $46,091. Noted June 5.

Pa., Pittsburgh—City received bids laying sewers in Fall Way from Miles Way to existing sewer on Firth St., Harbor, Hetzel, Asylum, Bader, Admiral and Hillsdale Sts., from M. O'Herron, South 1st and McKean Sts., $10,671; C. Donatelli, Pittsburgh, $11,144; F. Diulus, 40 Boundary St., $12,588. Work involves 2970 ft. 15 in. pipe and 9 manholes. Noted May 29.

★**Fla., Chipley**—City will build sewerage system by day labor. About $50,000.

★**Ind., Gary**—City let contract building sewers in Sewer Dist. No. 39, to J. C. Sunderman, 2360 Connecticut St. About $13,000.

Mich., Detroit—Dept. Pub. Wks. received bids building sewers, etc., in Harper Ave., (a) Sect. A, (b) Sect. B, (1) brick, (2) concrete, from C. H. Bennett, 1008 Ford Bldg., (a1) $35,748, (b1) $16,758; Gawn Constr. Co., Cleveland, O., (a1) $36,636, (b1) $17,157; Walker & Teetart, Penobscot Bldg., (a1) $40,044, (a2) $38,340, (b1) $18,753. Wetherby Ave., (a) Sect. 1, (b) Sect. 2, concrete arch pipe, from Nash Bros., 10 South La Salle St., Chicago., (a) and (b) $990,479; J. F. Casey Co., Union Arcade, Pittsburgh, (a) and (b) $994,000; G. R. Cooke, Penobscot Bldg., (a) $499,310; Lynch Rd. Sewer, (a) Sect. 3, (b) Sect. 4, (1) brick, (2) concrete, from J. Connelly Constr. Co., Dime Bank Bldg., (a2) $249,200, (b2) $189,500; J. A. Mercier, 216 Hammond Bldg., (a1) $262,000, (b1) $215,820; J. Porath, 34 McGraw Bldg., (a2) $295,800, (b2) $248,900; Six Mile Rd. Sewer, (a) Sect. 1, (b) Sect. 2, (1) brick, (2) concrete, (3) concrete segmental block, from Hanna & Brandon, 1624 Dime Bank Bldg., (b2) $424,700, (b3) $422,000; Hoag & Dall, Commercial Bank Bldg., (a3) $379,500, (b3) $424,344; Coleman & Harding, 702 Kresge Bldg., (b2) $485,000. Following bids submitted for (a) 4109 ft. of Sect. 1, and (b) 4343 ft. of Sect. 2, Jaynes & Affeld, 1208 Ford Bldg., brick (a) $303,848, (b) $314,696, (b) same prices; J. Porath, 34 McGraw Bldg., concrete (a) $298,400, (b) $318,539; J. A. Mercier, brick, (a) $335,000, (b) $345,000. Noted May 15 and 22.

★**Mich., Detroit**—City received lowest bids furnishing all labor and materials (except iron manhole rings and covers), building and finishing complete together with backfilling lateral sewer (a) No. 3048, (b) No. 3051, (c) No. 3052, (d) No. 3053, (e) No. 3129, (f) No. 3130, (g) No. 3132, (h) No. 3133, (i) No. 3135, (j) No. 3136, (k) No. 3137, (l) No. 3138, (m) No. 3139, from Western Constr. Co., 1208 Ford Bldg., (a) $5580, (b) $5507, (c) $1837, (d) $1252, (f) $6161, (g) $1144, (h) $5697, (k) $5875, (l) $2845, (m) $11,881; Detroit Contg. Co., Penobscot Bldg., (a) $5711, (b) $5685, (c) $1893, (d) $1289, (f) $6950, (g) $1205, (h) $6000, (k) $6584, (l) $3500; Walker & Teetart, St. Clair Ave., (a) $8300, (b) $8300, (e) $1999, (f) $10,300, (i) $1065, (j) $362, (m) $11,000; N. Mancini, Joseph Campau Ave., (c) $2583, (d) $1990, (e) $1742, (g) $1611, (i) $822, (j) $338; Liberty Constr. Co., Penobscot Bldg., (h) $7000, (i) $1300; R. L. Oakley, 486 Burlingame Ave., (k) $7200, (l) $3650; J. A. Mercier, 216 Hammond Bldg., (m) $11,480. Noted May 22.

★**Wis., Plymouth**—City let contract excavating and laying sanitary and storm sewers in 2.8 mi. Pleasant and Selma Sts., involving 4000 ft. 10-12 in. vitr. pipe, to A. Zurheide, 2507 North 15th St., Sheboygan. About $22,500.

★**Minn., Duluth**—See "Streets and Roads."

★**Minn., Litchfield**—F. O. Holm, village recdr., let contract laying 9825 ft. 8-10 in. sewer pipe, to E. Lenhardt, Litchfield, $11,810. Noted May 8.

★**Kan., Junction City**—City let contract extending sanitary sewerage system, involving 33,000 ft. 8-10 in. vitr. pipe, to Hamilton Bros., Waco, Tex., $37,589. Noted May 22.

Neb., Geneva—See "Streets and Roads."

★**Wyo., Thermopolis**—City let contract building storm sewers, to Security Bridge Co., 502 North 32nd St., Billings, Mont. About $29,737. Noted May 8 under "Streets and Roads."

★**Ont., Stratford**—City let contract improving 4400 ft. 42 in. and 2000 ft. 36 in. concrete circular pipe, to W. Davis, Caledonia St. About $33,000. Noted May 22.

Bridges

PROPOSED WORK

N. Y., Black River—See "Industrial Works."

N. Y., Schenectady—Schenectady Ry., 512 State St., has been authorized by Gov. Smith to use new gateway bridge across Mohawk River. Company plans to double track new bridge, continue tracks down State St., cutting off tracks now on Washington Ave. and along Scotia dyke. About $170,000. J. P. Barnes, genl. mgr.

N. J., Newark—Bd. Supervs. Hudson and Essex Counties, soon receives bids painting and cleaning Passaic River bridge and Hackensack River Bridge over Lincoln Highway. About $10,000.

Pa., Johnstown—City soon receives bids building concrete highway bridge over Conemaugh River on Haynes St., 225 ft. span. City approved $50,000 bond issue and Cambria Co. appropriated $25,000 for project. J. R. Crissey, engr.

Md., St. George Island—State Rds. Comn., 601 Garrett Bldg., Baltimore, soon receives bids building 984 ft. creosoted timber bridge, 14 ft. wide with 10 ft. clear roadway, over Potomac River, from mainland to St. Georges Island. About $10,000. J. N. Mackall, state engr.

S. C., Aiken—Comrs. Aiken Co. (Aiken) and Richmond Co., Ga., (Augusta) plan to build 150 ft. steel drawbridge over Savannah River, 16 ft. wide. About $75,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

Fla., Stuart—See "Streets and Roads."

Wis., Beloit—City voted $80,000 bonds to build bridge.

Wis., Manitowoc—Manitowoc Co. plans to build 174 ft. steel bridge on 14th St., 30 ft. wide, with earth approaches and concrete abutments. About $35,000. Work involves 800 cu.yd. rein.-con. and 2000 cu.yd. concrete. F. L. Alter, City Hall, engr.

Wis., Manitowoc—Manitowoc Co. plans to build steel or rein.-con. bridge over 21st St., 750 ft. long, 36 ft. wide, involving 1000 cu.yd. rein.-con. and 1500 to 2000 cu.yd. concrete, etc. About $50,000. F. L. Alter, City Hall, engr.

Wis., Washburn—City plans to build 300 ft. steel bridge over Sioux River, 50 ft. wide, to replace present wooden one.

Minn., Duluth—St. Louis Co. voted $1,350,000 bonds to build bridges in county; $840,000 will be sold at once to cover bridge work to be taken up during present year. R. W. Acton, co. engr.

Minn., Minneapolis—Comrs. Hennepin Co. plan to build 30 ft. rein.-con. bridge over Minnehaha Creek on Bloomington Ave., 40 ft. roadway. About $15,000. F. W. Cappelen, co. engr.

Cal., Marysville—Comrs. Yuba Co. having plans prepared for 10 rein.-con. bridges, 20-135 ft. long, in different parts of county. About $40,000. L. B. Crook, co. surv.

Cal., Napa—Comrs. Napa Co. having plans prepared by O. H. Buckman, engr., Napa, building 2 rein.-con. bridges, 1 across Walnut Creek and 1 across Nigger Creek, in Rd. Dist. No. 4. Cost between $5,000 and $10,000 each.

BIDS DESIRED

Mich., Port Huron—See "Streets and Roads."

Wis., Manitowoc—Until June 20, by Klug & Smith, engrs., 69 Wisconsin St., Milwaukee, building 396.9 ft. steel bridge on 10th St., 100 ft. draw, rein.-con. approaches, 24 ft. drive and 8 ft. walk. About $60,000. Noted Mar. 6.

Minn., Litchfield—See "Streets and Roads."

Ore., Salem—Until June 20, by Marion Co., building 1 rein.-con. culvert and 3 bridges, on Pacific Highway near Jefferson, involving 24,000 lb. reinforcing steel and 350 cu.yd. Class "A" concrete. U. G. Boyer, clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contr...)

★**N. Y., Tonawanda**—Bd. Pub. Wks. let contract building culvert over 18... creek, to Savage Constr. Co., 59 Walker ... Buffalo. About $11,070.

★**Pa., Greensburg**—Westmoreland Co. let contract building 4 rein.-con. bridges, to J. Herman, Latrobe, and 2 rein.-con. bridges, to Groton Bridge Co., Main St., Groton, N. Y. Total cost $20,794.

Pa., Phila.—Dept. Pub. Wks. received lowest bids building bridges on Holme and Langford Aves., from C. P. Bowers, Tulip and Somerset Sts., $196,903; F. J. Boas, 201 North Broad St., $214,337; J. ... Co., Commercial Trust Bldg., $223,0... repairing and painting bridges on (a) Baltimore Ave. over Cobbs Creek, (b) ... Ave. over Schuylkill River, (c) Erie Ave. over Phila. & Reading R. R., (d) Penrose Ferry Rd., over Eagle Creek, from M. & J. McHugh, 892 North Market St., (a) $1492, (b) $41,569, (c) $5410, (d) $5430; W. A. Mundy, 228 South Alder St., (b) $41,070, (c) $5810, (d) $3465; Robbins Constr. Co., Lafayette Bldg., (b) $41,770. Noted May 29.

★**W. Va., Charleston**—Comrs. Kanawaha and Lincoln Counties let contract building superstructure of steel highway bridge over Coal River, below mouth of Alum Creek, to Virginia Bridge & Iron Wks., Roanoke, Va. About $22,800. Noted May 15.

★**Ga., La Fayette**—Bd. Comrs. Walker Co. let contract building rein.-con. bridges, to C. L. Smallwood, Chattanooga, Tenn. About $14,000. Noted May 8.

Mich., Detroit—City received bids building (a) 40 ft. clear span rein.-con. arch-bridge, 40 ft. wide, 34 ft. roadway with abutments 10 ft. 6 in. high with 5 ft. footings supported on 60 wooden piles, (b) 170 ft. rein.-con. retaining wall, 7 ft. high with 6½ ft. footing and gas pipe hand rail, from Corrick Bros., 507 Owen Bldg., (a) $11,475, (b) $7675; T. E. Currie, 20 McGraw Bldg., (a) $15,000, (b) $7300; States Eng. Co., 514 Free Press Bldg., (a) $15,212, (b) $8892.

★**Minn., Ada**—Comrs. Norman Co. let contract building 31 concrete and steel bridges over Judicial Ditch No. 56, Norman and Clay Counties, to Hussey Constr. Co. About $38,700. Noted May 29.

★**Ark., Harrisburg**—Comrs. Ozark Trail Rd. Impvt. Dist., Poinset Co., Marked Tree, let contract building four 50 ft. steel plate girder spans or steel truss spans, 18 ft. wide; two 50 ft. steel truss spans, 16 ft. wide; 400 lin.ft. concrete viaduct, 18 ft. wide; 112 lin.ft. I-beam spans, 16 ft. wide, and 95 cu.yd. rein.-con. culverts, to Larimer & Burget Bridge Co., Rand Bldg., Memphis, $43,547. Noted May 8.

Ariz., Cottonwood — State Highway Comn., Phoenix, received bids building bridge over Verde River, near here, (a) concrete, (b) steel, from H. Clarke Co., 1101 East 5th St., Los Angeles, (a) $35,977; Topeka Bridge & Iron Co., c/o R. V. Leeson, Phoenix, (a) $37,100; W. Ledbetter Co., Pacific Electric Bldg., Los Angeles, (b) $38,880; El Paso Bridge & Iron Co., El Paso & South Western Bldg., El Paso, Tex., (b) $45,843; Steel Constr. Co., Salt Lake City, (b) $46,300; Omaha Structural Steel Co., 48th and Leavenworth Sts., Omaha, (b) $61,600. Noted Apr. 24.

★**Ore., Portland**—State Highway Comn. let contract to Union Bridge Co., 55 Argyle St., building 6 rein.-con. bridges on Columbia River Highway, between Scappoose and Deer Island, cost $35,956, and 1 rein.-con. bridge over Tide Creek, Columbia Co., $8086; to Linn Co. Court, Albany, one 50 ft. steel I beam and concrete bridge and 850 lin.ft. timber trestle between Albany and Jefferson, Linn Co., $12,905. Noted May 29.

★**Que., St. Croix**—Lotbiniere Co. let contract building concrete and steel bridge between St. Edouard and St. Emelie, to H. Paris, Portierville. About $35,000. Noted May 22.

★**Ont., Ottawa**—Bd. Control let contract building rein.-con. bridge over Rideau River, on St. Patrick St., to McDougall Bros., Sparks St., $172,108. Noted Apr. 10.

Structural Steel

PROPOSED WORK

S. C., Aiken—See "Bridges."

Wis., Manitowoc—See "Bridges."

Wis., Washburn—See "Bridges."

Reinforced Concrete

PROPOSED WORK

N. J., Kearney—See "Buildings."
Pa., Johnstown—See "Bridges."
Minn., Minneapolis—See "Bridges."
Cal., Vallejo—See "Buildings."

BIDS DESIRED

Pa., Freeport—See "Waterworks."
Pa., Lebanon—See "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Greensburg**—See "Bridges."
★**Cal., Modesto**—See "Industrial Works."
★**Ont., Ottawa**—See "Bridges."

Streets and Roads

PROPOSED WORK

Mass., Boston—City having plans prepared paving Revere St., et al. About $12,000. J. Lockhart, city engr.

N. Y., New Hartford—Village plans election to vote on $40,000 bonds to pave various streets. Total cost $120,000. Property owners will bear balance of cost.

N. Y., New York—H. Bruckner, pres. Bronx Boro., rejected bids received May 27, repaving with granite blocks on concrete foundation Cypress Ave. from East 132nd to East 138th Sts. Noted June 5.

N. Y., Rochester—City plans to pave Ryan Alley, cost $10,600; Peckham St., $16,000; Ruppel St., $23,300; Fairview Ave., $32,900, all asphalt; also White St., $14,900; Karnes St., $15,500. C. A. Poole, city engr.

N. J., Elizabeth—City plans to improve Summit Rd. from Colonia Rd. to Park Ave. About $45,353. A. Collins, city engr.

N. J., Hoboken—City plans to improve Jackson St. from Newark to Paterson Aves., Jefferson St. from 4th to 7th Sts., Grand St. from 1st to 3rd Sts., Clinton St.; also Bloomfield St. from 5th to 14th Sts., all asphalt. J. O. Whittemore, city engr.

N. J., Jersey City—City plans to improve 10th St. between Grove and Eue Sts., granite block. About $10,000. C. A. Van Keuren, city engr.

N. J., North Bergen—Town Council plans to improve with bituminous 27th, 28th, 29th and 30th Sts., cost, $10,000 each, 33rd St., $20,000, Hudson and Bway. Aves., $20,000 each; with trap rock 34th and 35th Sts., $80,000; granite block Bergenline Ave., $100,000, Hamilton Ave., $25,000 and South St., $30,000.

Pa., McKeesport—City defeated $366,000 bond issue to improve various streets. Noted Mar. 20.

Pa., Scranton—City Council plans to grade, pave and curb with sheet asphalt on concrete base, Madison Ave. from Ash St. to Dunmore Boro. line, 9th Ward, about $7469; Birch St. from west fence line of Cedar Ave. to South Washington Ave., 11th Ward, $17,482; also grade, pave and curb with sheet asphalt and stone blocks on concrete base Richmond St. from east fence line of Boulevard Ave. to Boro. of Dunmore and city line, $30,381. W. Schunk, city engr.

W. Va., Morgantown—Monongalia Co., Grant Dist., plans election July 2, to vote on $325,000 bonds to build 11 mi. Fairmont Pike, 3 mi. River Rd., 4 mi. Lowesville Rd., and 10 mi. Dents Run Rd. L. Cox, Morgantown, engr.

W. Va., Point Pleasant—Mason Co. voted $70,000 bonds to improve roads in Wagoner Dist. and $65,000 bonds for roads in Graham Dist. Plans being prepared by G. E. Childs, engr., Point Pleasant. Noted May 15.

W. Va., Ripley—Comrs. Jackson Co. soon receive bids building Class "A" road through town of Ravenswood. About $21,000. J. S. Chase, Ripley, engr.

W. Va., Spencer—Comrs. Roane Co. soon receive bids building 12¾ mi. road in Walton and Spencer Dists., 2 sections, surfacing 16 ft. wide; involving grading, furnishing materials and laying concrete pavement. About $208,000. Former bids rejected. H. R. Muldoon, Spencer, engr.

W. Va., West Union—Comrs. Doddridge Co. soon receive bids building 3 mi. Northwestern Turnpike, waterbound macadam. About $63,000. J. R. Wilson, Clarksburg, engr.

S. C., Abbeville—City plans to pave 5 mi. various streets, 30-40 ft. wide, vitr. brick, asphalt, concrete or bituminous concrete. About $180,000. W. A. Sanders, Anderson, engr.

S. C., Anderson—Anderson Co. voted $1,450,000 bonds to build and improve roads. Noted Mar. 20.

S. C., Chester—Chester Co. plans to relocate, grade, drain and surface 20 mi. road from here to Lockhart along Broad River, 30 ft. wide, estimated cost $50,000; 7 mi. road from here to Lowryville, 30 ft. wide, $35,000; 24 mi. road from here to Ft. Lawn along Catawba River, 30 ft. wide, $70,000; 10 mi. road from here to Blackstock, 30 ft. wide, $100,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., Manning—Comrs. Clarendon Co. plan to surface with cement concrete 1 mi. Sumter-Manning Rd. from here across Pocotaligo River swamp, 16-20 ft. wide. About $30,000. J. E. Kelly, superv. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., Orangeburg—Comrs. Orangeburg Co. plan to re-locate, grade, drain and surface 24.8 mi. road from St. Mathews to Bamberg, via Orangeburg, 30 ft. wide. About $140,000. J. J. Mackey, chn. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., Pickens—Comrs. Pickens Co. plan to re-locate, grade, drain and surface 10 mi. road from here to Easley, 30 ft. wide. About $30,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., Rock Hill—City plans to pave and surface 6 mi. various streets, 30-40 ft. wide, vitr. brick, asphalt, concrete or bituminous concrete. About $200,000. G. C. White, Durham, N. C., engrs.

S. C., Sumter—Comrs. Sumter Co. plan to relocate, grade, drain and surface 9 mi. road from here to Clarendon Co. line, 30 ft. wide, cost $18,000; 10.2 mi. road from here to Lee Co. line, 30 ft. wide, $20,000; 8.1 mi. road from here to Mayesville, 30 ft. wide, $20,000; 18.4 mi. road from here to Kershaw Co. line, 30 ft. wide, $30,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., Union—Union Co. plans to relocate, grade, drain and surface 2 mi. road from here to Spartanburg Co. line via Buffalo and West Springs, 30 ft. wide. About $40,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., Walhalla—Comrs. Oconee Co. plan to drain and surface 25 mi. road from Calhoun to Georgia state line via Westminister, 30 ft. wide; (Abandoned road bed of Southern Ry.). About $50,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., Walhalla—Comrs. Oconee Co. plan to re-locate, grade, drain and surface, probably with top soil, 12 mi. road from Clemson College to here, via Seneca, 30 ft. wide. About $20,000. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

S. C., York—Comrs. York Co. plan to relocate, grade, drain and surface 7 mi. road from Rock Hill to Lancaster, cost between $28,000 and $30,000. T. W. Boyd, chn. J. R. Pennell, c/o State Highway Dept., Columbia, engr.

Ga., Jefferson—Comrs. Jackson Co. soon receive bids building 4½ mi. Federal aid road. About $20,000. Mitcham & Wright, 712 Flatiron Bldg., Atlanta, engrs.

Ga., Lawrenceville—Gwinnett Co. having plans prepared by Mitcham & Wright, engrs., Flatiron Bldg., Atlanta, for 12 mi. Federal aid road.

Ga., Valdosta—Lowndes Co. voted $500,000 bonds to build roads. Federal Government will be asked to appropriate like amount. Noted May 15.

Fla., Orlando—City voted $300,000 bonds to pave streets.

Fla., Pensacola—City voted $25,000 bonds to grade, pave, repair and improve streets. J. L. Sweeney, city engr.

Fla., Stuart—City voted $60,000 bonds to improve streets and build bridges.

Ala., Birmingham—Bd. Revenue Jefferson Co. soon receives bids grading 4½ mi. road on Birmingham and Leeds Highway, between Lovick and Leeds, involving 15,000 cu.yd. rock and 21,000 cu.yd. earth excav. About $30,000. J. W. Gwin, pres. S. R. Batson, co. engr.

Louisiana—State Highway Dept., Maison Blanche Bldg., New Orleans, soon lets contract surfacing with bituminous concrete 1.66 mi. Alexandria-Base Hospital Highway, in Rapides Parish. D. Buie, state highway engr.

La., New Orleans—City having plans prepared curbing, sub-surfacing, draining and paving with wood block or small granite block, various streets in business section. About $1,449,999. T. L. Willis, city engr.

Ohio—State Highway Comn., Columbus, soon receives bids building roads in following counties:

Clinton Co., Sect. "Q" Cincinnati-Zanesville Rd., 9.16 mi., grading, constructing bridges and culverts and paving with waterbound macadam.

Delaware Co., Sect. "A-2" Delaware-Marysville Rd., 2.85 mi., grading, constructing bridges and culverts and paving with waterbound or bituminous macadam.

Sect. "B" Delaware-Marysville Rd., 5.02 miles grading, constructing bridges and culverts and paving with waterbound or bituminous macadam.

Union Co., Sect. "B" Canal Dover-Wooster Rd., 2.52 mi., grading, constructing bridges and culverts and paving with concrete or brick. Former bids rejected. Noted Apr. 17.

Ohio—State Highway Comn., Columbus, soon lets contract building roads in following counties:

Defiance Co., Sect. "E" Hicksville-Defiance Rd., 3.21 mi. grading, constructing bridges and culverts and paving with rein.-con., $84,489.

Delaware Co., Sect. "A-2" Delaware-Marysville Rd., 2.85 mi. 16 ft. wide, grading, constructing bridges and culverts and paving with waterbound or bituminous macadam, $61,017.

Sect. "B" Delaware-Marysville Rd., 5.02 mi., 16 ft. wide, grading, constructing bridges and culverts and paving with waterbound or bituminous macadam, $107,679.

Huron Co., Sect. "O" Oberlin-Norwalk Rd., 1.28 mi., 16 ft. wide, grading, constructing bridges and culverts and paving with monolithic brick, $48,677.

Lake Co., Sect. "J" Chardon-Madison Rd., 2.33 mi. 26 ft. roadway, 10 ft. pavement, grading, constructing bridges and culverts and paving with rein.-con., $58,742.27.

Montgomery Co., Sect. "D" Dayton-Chillicothe Rd., 2.63 mi. 26 ft. roadway, 16 ft. pavement, grading, constructing bridges and culverts and paving with bituminous macadam or plain concrete, $66,560.

Ottawa Co., Sects. "J" and "K-3" Toledo-Elmore Rd., 7.15 mi., 16 ft. wide, grading, constructing bridges and culverts and paving with concrete, $236,840.

Sect. "F" Oak Harbor-Genoa Rd., 1.99 mi., 16 ft. wide, grading, constructing bridges and culverts, and paving with concrete, $61,639.

Sect. "D" Oak Harbor-Genoa Rd., grading and resurfacing with bituminous macadam, $35,426.

Sandusky Co., Sect. "J" Fremont-Bellevue Rd., 5.76 mi., 20 ft. wide, grading, constructing bridges and culverts and paving with brick, bituminous macadam or bituminous concrete, $334,679; $294,101; $281,255.

Union Co., Sect. "B-1" Marysville-Kenton Rd., 2.88 mi., 16 ft. wide, grading, constructing bridges and culverts and paving with waterbound macadam, $46,608.

Geauga Co., Sect. "A-2" Cleveland-Kent Rd., 0.94 mi., 16 ft. wide, resurfacing with 3 in. bituminous macadam and grading, $10,730.

Lorain Co., Sects. "C-2" and "H" Ashland-Oberlin Rd., 3.29 mi., 16 ft. wide, grading, widening pavement and resurfacing with bituminous macadam, $41,869.

Trumbull Co., sections of the Youngstown-Warren Rd., Warren-Meadville Rd., and Chagrin Falls-Greenville Rd., about 20 mi. resurfacing, $11,311.

O., Columbus—City plans to grade, curb, lay water mains and pave 854 ft. Reinhard Ave., from Heyl Ave. to 21st St., 24 ft. wide, brick. Cost $15,590. H. A. Maetzel, city engr.

O., Dayton—Montgomery Co. plans to pave, curb and gutter 1708 ft. West 3rd St. from Baker St. to corporation line, 36 ft. wide, and 1480 ft. Springfield St., 40 ft. wide, involving 550,000 brick block on 14,000 sq.yd. 6 in. concrete base and 7300 ft. concrete curbing and guttering. About $160,000; ⅓ of which will be borne by county, ⅓ by city and ⅓ by property owners. S. Sharts, co. engr.

Streets and Roads (Continued)

O., Springfield—City plans to build cement sidewalks, curbs and gutters on portions of Columbia, Jefferson, Main, Pleasant, Plum, Shaffer, Sigler, Washington, Yellow Springs, Fair, Charles, East, Harrison, Isabella, Rice, Race, Summer, Water, Winter, High and Mulberry Sts. and Lagonda, Wittenberg, Dibert, Douglas, Homeview, Sheridan and Tibbetts Aves. O. E. Carr, city engr.

Ind., Indianapolis—Comrs. Marion Co. soon let contract grading, paving and building culverts on 15,840 ft. highway, 18 ft. wide, involving 31,680 sq.yd. concrete. About $106,847. J. J. Griffith, engr.

Ind., Terre Haute—City receives bids about July 30, resurfacing ½ mi. Wabash Ave. from 13th to 19th Sts. involving 16,000 sq.yd. wood block, 16,000 sq.yd. asphalt and 16,000 sq.yd. bituminous, etc. About $50,000. R. A. Koerner, city engr.

Mich., Charlevoix—Comrs. Charlevoix Co. plan to build between 5 and 6 mi. road involving 53,500 sq.yd. concrete pavement. State and Federal Governments will appropriate toward cost.

Mich., Detroit—Bd. Pub. Wks. soon receives bids paving with asphaltic concrete, Amherst or Medina curbstone, Solvay Ave. from north line West Jefferson Ave. to south line Fort St., 26 ft. wide, cost $40,190; Griffin Ave. from east line of Elmwood to easterly terminus, 24 ft. wide, $14,470. C. W. Hubbell, city engr.

Mich., Detroit—Dept. Pub. Wks. soon receives bids paving following alleys with 1 course concrete; alley between Walker, Adair, Franklin and Woodbridge Sts.; between Lillibridge St., Beniteau Blvd., Kercheval and Waterloo Aves.; between Riopelle, Orleans, St. Joseph and Illinois Sts.; between East Grand Blvd., Helen, Sylvester and Canfield Aves.; between Seminole, Iroquois, Sylvester and Canfield Aves.; between Fischer, Crane, Waterloo and Charlevois Aves.; between Ferry Park and West Grand Blvd. west of Lawton Ave.; between LaSalle Blvd., 14th St., La Mothe and La Salle Gardens; between Tillman, Williams, Stanley and McGraw Aves.; between Frederick and Kirby Aves., east of Chene St.; between Lawton, Grand River and Kirby Aves.; between Warren, Seyburn, Baldwin and Gratiot Aves.; between Woodward, Englewood and Woodland Aves. and John R St.; between Garfield and Forest Aves., parallel to Chene St.; between Riopelle, Orleans and Fort Sts. and Lafayette Blvd.; between Hibbard, Holcomb, St. Paul and Kercheval Aves.; between Rivard and Russell Sts., Frederick and Kirby Aves.; between Deming St. and Michigan Central R. R., parallel to Scotten Ave.; betwen Beaubien and St. Antoine Sts. and Kirby and Ferry Aves., 10-20 ft. wide, cost, $61,900.

Mich., Detroit—W. T. Dust, comr. parks and blvds., soon lets contract grading and paving 1100 ft. driveways in Roosevelt Park at entrance to Michigan Central Ry. Sta., 40-50 ft. wide, involving 9103 sq.yd. asphalt on 6 in. concrete base, 91 cu.yd. concrete, 3558 lin.ft. Medina curbing, 3931 cu.yd. excav., 1512 sq.yd. old paving, and 1000 lin.ft. old curb to be removed.

Mich., Ecorse—City having plans prepared by R. A. Murdock, engr., Ecorse, improving 1 mi. Cosme and Bway Aves., Levadie and Webster Sts., 24-26 ft. wide, 1 course concrete pavement, concrete curb with side drain.

Mich., Northville—City election June 16 to vote on $32,000 bonds to pave with concrete from end of present pavement on Seven Mile Rd. to Detroit City Hospital grounds, on Main St. to Oakland Co. line.

Mich., Port Huron—St. Clair Co. Rd. Comn. plans to improve 6¾ mi. State Rd. from Lynn Twp. to Capac, 7 mi. Fargo Rd. in Grant, Greenwood and Kenockee Twp., 3½ mi. Riley Center Rd., from Riley Center south to Riley Twp. and Mill Creek Rd. from Brockway south and west for distance of 4 mi. Plans include grading, surfacing with gravel, slag base with gravel top or penetration type and building drainage ditches, culverts and bridges. F. E. Beard, chn.

Ill., Belleville—Bd. Local Impvts. soon receives bids paving 900 ft. 14th Ct., 28 ft. wide. About $10,000. Noted May 22.

Ill., Edwardsville—Comrs. Madison Co. soon let contract paving 5 mi. Alton-St. Louis Rd., monolithic brick. W. E. Holden, co. supt. highways. Noted Dec. 26.

Wisconsin—State Highway Comn., Madison, soon lets contract building Prentice-Ladysmith Rd., Sawyer Co., Radisson-Couderay Rd., Washburn Co., and Spooner-Rice Lake Rd. Noted Apr. 3.

Wis., Clintonville—City plans to grade and pave 7.5 mi. Elm and Main Sts., 18 ft. wide, involving 9800 sq.yd. 2 course rein.-con. and 250 lin.ft. concrete curb and gutter. About $40,000. L. P. Pelishek, Clintonville, engr.

Wis., Kenosha—City soon lets contract for 7500 sq.yd. concrete paving on Ridge St.

Wis., Milwaukee—Dept. Pub. Wks. soon lets contract improving several streets and avenues.

Ia., Cresco—Bd. Supervs. Howard Co. soon receive bids grading and surfacing with gravel and building tile drains, intakes and guard rail on 10.4 mi. Federal Aid Project No. 31, 24 ft. wide, involving 26,030 cu.yd. gravel, 12,182 lin.ft. drain tile, 43,765 cu.yd. excav., etc. About $35,200. T. R. Perry, co. engr.

Ia., Independence—Buchanan Co. election June 23, to vote on proposition to pave entire primary road system and to form assessment districts along system, total length 45.47 mi. Districts will pay 25% of cost of construction. H. Tschirgi, co. engr.

Ia., Marion—Linn Co. election June 16 to vote on proposition to pave entire primary road system, and to form assessment districts along system, total length 97.58 mi. Districts will pay 25% of cost of construction. R. W. Gearhart, co. engr.

Minn., Duluth—St. Louis Co. election July 1 to vote on $7,500,000 bonds to build 210 mi. hard-surfaced roads under Babcock Law; 65 mi. will be started at once, 18 ft. wide, 1 course concrete. About $25,000 per mi.

Minn., Farmington—See "Sewers."

Minn., Pipestone—Comrs. Pipestone having surveys made for 12 mi. paving and 88 mi. grading and graveling, 20 ft. wide. About $950,000. Bonds for $200,000 voted toward work. E. Keeler, Pipestone, engr.

Minn., Rochester—City soon lets contract paving 11th Ave., Center St., alley in Collins' Sub-Div. in Block 30, alley in Block 37 in Original Plat, alley in Block 18 in Original Plat. A. F. Wright, clk.

Neb., Friend—City plans to pave 8 blocks Main St. About $100,000. Grant, Fulton and Letton, 505 Bankers' Life, Lincoln, engrs.

Neb., Milford—City receives bids about July 15, paving 6 blocks Main St., 72 ft. wide. About $120,000. A. H. Edgren, Lincoln, engr.

Montana—State Highway Comn., Helena, rejected bids for Federal Aid Projects Nos. 5, 6 and 7, in Big Horn and Dawson Counties.

Mont., Hardin—Comrs. Big Horn Co. plan to grade 31 mi. Crow Agency-Busby Rd., cost $20,000; 22 mi. Hardin-St. Xavier Rd., $20,000. P. D. Pratt, c/o State Highway Dept., Helena, engr.

Mont., Miles City—Custer Co. election Sept. 2 to vote on $350,000 bonds to build roads. J. H. Bohling, Jr., co. clk.

Mont., White Sulphur Springs—Meagher Co. voted $150,000 bonds to improve roads. E. R. Lausted, White Sulphur Springs, engr.

Mo., Charleston—Mississippi Co. receives bids about July building 15 mi. road from here to Bird's Point, concrete. About $330,000. C. E. Swank, Sikeston, co. engr.

Mo., Clayton—St. Louis Co. plans to hard surface sections St. Charles Rock, Manchester, Gravois and Lemay Ferry Rds., 18-24 ft. wide, vitr. brick, concrete or bituminous concrete. About $3,000,000. W. Elbring, co. engr.

Tex., Dallas—Dallas Co. plans to build permanent highways. Bonds for $6,500,000 voted for project. J. F. Witt, co. engr.

Tex., Ft. Worth—City soon lets contract improving Galveston Ave., South Main St., and north and south approaches of Jennings Ave. viaduct. F. J. Von Zuben, city engr.

Tex., Henderson—Rusk County voted $800,000 bonds to build roads.

Tex., Jasper—Jasper Co. soon lets contract improving, grading and gravel surfacing 29.3 mi. State Highway No. 7 from Bohler's Ferry to Jasper and Newton, 16 ft. wide; cost $176,283; 10 mi. from Angelina Co. line to point 10 mi. southeast, 16 ft. wide, involving 30 acres clearing and grubbing, 600 cu.yd. concrete and 30,000 cu.yd. earth excav., $53,900. C. P. Hunter, Jasper, engr.

Tex., San Angelo—Comrs. Tom Green Co. plan to build roads. About $200,000.

Tex., Stamford—City voted $20,000 bonds to improve streets.

Okla., Oklahoma—City plans to grade, pave and improve 2000 ft. Lottie Ave. from 13th to 20th Sts., 20 ft. wide, involving 10,000 sq.yd. asphalt, 4000 lin.ft. concrete curbing, 3500 cu.yd. earth excav., cost $30,000; grade and improve, also install sewers and water mains in 1500 ft. 5th St., from Western to McKinley Sts., 40 ft. wide, involving 5000 sq.yd. bituminous concrete, 4400 lin.ft. concrete curbing, etc. About $25,000. J. W. Bennett, city engr.

Colo., Ft. Collins—City plans to pave streets in College Ave. Paving Dist. About $101,087. W. C. Check, city engr.

Ariz., Clifton—Comrs. Greenlee Co. plan to improve 4.2 mi. Clifton-Franklin Highway, involving 50,000 cu.yd. excav. (15% rock), 44,000 sq.yd. surfacing, 1950 lin.ft. concrete pavement, 1000 cu.yd. rubble masonry, 15,000 lin.ft. storm ditch, etc. About $97,372.

Ariz., Phoenix—Maricopa Co. voted $1,000,000 bonds to build 272 mi. hard-surfaced roads. County will receive $500,000 additional bonds as its share of Federal Aid funds. The above sums will be available over period of 5 years. R. C. Perkins, co. engr. Noted Apr. 24.

Wash., Aberdeen—City soon lets contract grading, clearing, building plank sidewalks and cement culverts on Summit, Fleet and Fairfield Sts., and alley in Block 11. P. F. Clark, clk.

Wash., Camas—City soon lets contract grading and paving Pearl and Beeson Sts., bitulithic concrete or asphaltic concrete, estimated cost, $13,151; also building vitr. or concrete sewer in Pearl St., $1574. C. E. Farr, city clk.

Wash., Hoquiam—City plans to clear, grub and pave Monroe St. and Perry Ave., concrete. W. A. Jackson, city engr.

Wash., Seattle—Bd. Pub. Wks. soon lets contract paving and building sewer in King St., et al, involving 28,400 sq.yd. (a) brick, (b) 9 in. concrete pavement and 1260 ft. 12 in. sewer pipe. Estimated cost (a) $199,720, (b) $156,957. A. H. Dimock, city engr.

Wash., Woodland—City soon lets contract grading and hard surfacing 1st St., 3rd and Buckeye Sts., and Bozorth Ave. L. Foff, clk.

Oregon—State Highway Comn., Portland, soon lets contract grading and paving roads in following counties: Coos Co., Marshfield-Cedar Point Rd., involving 10,000 cu.yd. excav., Cedar Point-Coquille Rd., 23,000 cu.yd. excav.;

Grant and Wheeler Counties, Fossil-Dayville section John Day Highway, Unit No. 1, 13 mi. long, 91,000 cu.yd. excav., Unit No. 2, 12.5 mi., 74,000 cu.yd. excav., Unit No. 3, 12 mi., 91,000 cu.yd. excav., Unit No. 4, 11.5 mi., 103,000 cu.yd. excav.;

Benton Co., 9 mi. from Monroe, north, 29,000 cu.yd. excav.;

Baker Co., Sag Sect. Baker-Cornucopia Highway, 16,500 cu.yd. excav., 9700 cu.yd. rock surfacing;

Yamhill Co., 2 mi. from Grande Ronde to Butler Store, macadam;

Multnomah Co., 2.43 mi. from Bertha to Washington Co. line;

Curry Co., 6.94 mi. Hubbard Creek-Brush Creek Rd., 150,000 cu.yd. excav.;

Umatilla Co., 8.15 mi. Cabbage Hill-Kamela Rd., 97,000 cu.yd. excav., 21.4 mi. from Pendleton to Echo, 221,000 cu.yd. excav.;

Clackamas Co., 3.8 mi. Aurora-Canby Rd., 36,000 cu.yd. excav.;

Washington Co., 6.7 mi. Forest Grove-Gaston Rd., 16,000 cu.yd. excav.;

Douglas Co., Yoncalla Sect., 7.7 mi. macadam, 2.7 mi. grading, 10,000 cu.yd. excav., 16,000 cu.yd. rock surfacing, 4.5 mi. Roseburg-Wilbur Rd., 8000 cu.yd. rock surfacing, 19,000 cu.yd. excav., 3.25 mi. Leona-Drain Rd., 19,000 cu.yd. excav., 6800 cu.yd. rock surfacing.

Jackson Co., Pacific Highway from Green Springs to Mt. Summit, 10.9 mi. grading, 91,000 cu.yd. excav., Green Springs Mt. Rd. to Jenny Creek, 8.15 mi. grading, 32,000 cu.yd. excav. H. Nunn, Salem, state highway engr.

Streets and Roads (Continued)

Ore., Portland—City soon lets contract building artificial stone or asphaltic sidewalks on concrete foundation, not less than 3 in. in depth, on 77th St. S. E. from north line 55th Ave. S. E., planking portions of streets occupied by Portland Ry., Light & Power Co.; B'way St. from East 45th St. to Sandy Blvd.; artificial stone asphaltic concrete sidewalks, 3 in. concrete foundation, on Roosevelt St. from 22nd to 23rd Sts.; East 9th St. from Alberta to Webster Sts.; Webster St. from East 9th St. extending north to east line East 9th St.; from north line Webster St. to south line Summer St., asphaltic concrete pavement Nos. 1 and 2 on crushed rock base, concrete pavement Nos. 1 and 2. G. R. Funk, city aud. O. Laurgaard, city engr.

Cal., El Centro—Imperial Co. election July 1, to vote on $1,500,000 bonds to pave 120 mi. highways with concrete. G. R. Wade, Brawley, engr.

Cal., Hanford—City plans to pave cross-town streets. About $300,000.

Cal., Reedley—City voted to pave 30 blocks of G, 10th, 11th, 9th and 12th Sts. and alleys.

Cal., Santa Ana—Comrs. Orange Co. receive bids in July, paving 3.8 mi. Santa Ana Canyon Rd., concrete. E. L. McBride, Santa Ana, engr.

Cal., Santa Rosa—Comrs. Sonoma Co. voted $1,640,000 bonds to pave 204 mi. roads with concrete and build concrete and corrugated iron culverts.

Cal., Upland—City receives bids in about 6-10 weeks, improving 3½ mi. Euclid Ave., 23 ft. wide. Plans include 4 in. concrete pavement, cement and stone curbs and gutters, also repairing same amount macadam pavement. About $100,000. T. R. Woodbridge, City Hall, engr.

Que., St. Boniface—Town plans to build gravel road. About $25,000. G. Henry, Parliament Bldg., Quebec, engr.

Ont., Brantford—Bd. Wks. soon lets contract for 50,000 sq.yd. concrete pavement, 12,000 sq.yd. bituminous resurfacing on concrete base already laid and 6000 sq.yd. bituminous for concrete resurfacing on concrete base already laid. About $150,000. H. Simpson, chn. T. H. Jones, city engr.

Ont., Ottawa—Bd. Control recommended that City Council pave following streets with asphalt: Slater St. from Bay to Bronson Aves., Wilbrod St. from Nicholas to Charlotte Sts., Goulburn Ave. from Osgoode to Somerset Sts., and Murray St. from Cumberland to King Edward Ave. A. E. McCallum, City Hall, engr.

Ont., Sandwich—Town having plans prepared by C. McColl, engr., Windsor Gas Bldg., Windsor, grading, shaping and paving 1½ mi. Center St. from Sandwich to Huron Sts., 26 ft. wide, asphalt, concrete or brick. About $50,000.

Ont., Tecumseh—Town having estimates made by R. W. Code, engr., Bd. Trade Bldg., Windsor, for 70,200 sq.yd. concrete pavement. About $150,000. F. G. Belleperche, clk.

Sask., Saskatoon—City soon lets contract paving 1902 ft. Saskatchewan Crescent from Traffic Bridge to existing pavement on Saskatchewan Crescent South at Lorne Ave. About $25,000. C. J. Yorath, comr.

BIDS DESIRED

Maine—Until June 13, by State Highway Comn., Augusta, grading, draining and bituminous macadam surfacing, state aid highway, beginning at Mill St. and extending along Pleasant St. 3011 ft. to Main St., Brunswick Twp. P. D. Sargent, ch. highway engr.

N. H., Irvington—Until June 16, by Town Comrs., Town Hall, paving and curbing McAllister, Dupont, Ens, Paine, Chestnut and Union Aves., Nerbit Terrace and Banta Pl. Work involves 11,600 sq.yd. asphalt, 20,733 sq.yd. concrete, 12,023 lin.ft. concrete curbing and 21,500 cu.yd. excav. L. J. Casey, Jr., Town Hall, engr.

Massachusetts—Until June 17, by State Highway Comn., Boston, building 15,400 ft. bituminous macadam road, 18 ft. wide, Tewksbury and Wilmington Twps. A. W. Dean, state highway engr.

Mass., Attleboro—Until June 19, by city, for 1 mi. bituminous road. Bids will be received for both asphalt penetration and gravel mixed surfacing. H. J. Goodale, supt. pub. wks.; advertised in this issue.

Mass., North Adams—Until June 23, by J. L. Temple, comr. pub. wks., improving 4600 sq.yd. concrete roadway on Zylonite Rd.; 1700 sq.yd. concrete roadway and 600 sq.yd. brick on Beaver St.; 4500 sq.yd. bituminous macadam top surface, to be laid over old water bound macadam, on Beaver St.; 1300 lin.ft. concrete combination curb and sidewalks on Beaver St.; advertised in this issue.

New York—Until July 1, by State Highway Comn., Capitol, Albany, improving highways in following counties: Albany Co., 3.93 mi.; Herkimer Co., 2 highways, 5.84 mi. and 5.67 mi.; Oneida Co., 45 mi.; Putnam Co., 3.33 mi; Saratoga Co, 2 highways, 9.06 mi. and 1.52 mi.; Suffolk Co., 2 highways, 6.59 mi. and 4.98 mi.; completing highways in following counties: Cattaraugus Co., 6.98 mi.; Cayuga Co., 2 highways, 3.89 mi. and 4.39 mi.; Cortlandt Co., 6.07 mi.; Erie Co., 6.03 mi.; Franklin Co., 1.99 mi.; Hamilton Co., 5.01 mi.; Jefferson Co., 4.05 mi.; Madison Co., 5.65 mi.; Niagara Co., 8 mi.; Schenectady Co., 5.62 mi.; Wayne Co., 5.85 mi.; also repairing highways in Rensselaer and Ulster Counties. F. S. Greene, comr.; advertised in this issue.

N. Y., Buffalo—Until June 17, by Dept. Pub. Wks. paving Crescent Ave., from Parkside Ave. to Colvin St., Armin Pl. from northeast curb of Seneca St. to 734 ft. northeast, Fay St. from Walden to West Shore Aves., Poultney St. from Kensington to Hutchinson Aves., Stevens St. from north curb of East Ferry St. to 700 ft. northerly, all 26 ft. wide, Ross Ave. from end of present pavement to northwest curb line of Ontario St., 24 ft. wide, repaving Pennsylvania St. from Prospect Ave. to Niagara St., 32 ft. wide, Lathrop St. from Bway. to Sycamore St., 30 ft. wide, River St. from Erie to Genesee Sts., 42 ft. wide. A. W. Kreinheder, comr.

N. Y., Geneva—Until June 23, by Bd. Pub. Wks., paving High, West and Brook Sts., involving 8750 lin.ft. curbing and guttering, 5400 cu.yd. excav., 175 lin.ft. header and 10,000 sq.yd. brick, asphalt or concrete, etc. H. K. Seyboldt, supt.; advertised in this issue. Noted May 29.

N. Y., New York—Until June 19, by Park Bd., Municipal Bldg., for all labor and materials for paving and repaving with asphalt mastic, walks of Central and other parks in Manhattan Boro. F. D. Gallatin, pres.

N. Y., S. I., St. George—Until June 16, by C. D. Van Name, pres. Richmond Boro., repairing with wood block roadway of Bway. from Union St. to Henderson Ave. and from Castleton Ave. to Cary Ave. and Richmond Terrace from Sharpe to Lafayette Aves. and from Westervelt to York Aves.

N. J., Burlington—Until July 2, by Bd. Freeholders Burlington Co., building Camden Co. line-Marlton-Medford Rd., Evesham Twp., sheet asphalt surface on macadam foundation, involving 31,680 sq.yd. surface pavement. H. Hawkins, Jr., clk.; advertised in this issue. Noted Apr. 24.

N. J., Jersey City—Until June 17, by City Comrs., improving Hutton St. with sheet asphalt. Former bids rejected. Noted May 22.

N. J., Jersey City—Until June 26, by Bd. Freeholders Hudson Co., improving Paterson Turnpike, North Bergen Twp., with granite block. About $80,000. Noted Mar. 20.

N. J., South Orange—Until June 16, by Village Trustees, paving 35,000 ft. Valley St., 50 ft. wide, 30 ft. curb to curb, cost $35,000; 15,000 ft. Irving Ave., 50 ft. wide, 27 ft. curb to curb, involving 2850 lin.ft. curbing, 4470 cu.yd. pavement, 90,000 sq.yd. 6 in. concrete base, 11,500 lin.ft. sidewalk, and 1400 cu.yd. excav., etc., about $16,000. I. T. Redfern, South Orange, engr.

N. J., Union—Until June 16, by Town Council, improving Palisade and Hudson Aves. About $25,000. Noted May 1.

Pennsylvania—Until June 24, by State Highway Comn., Harrisburg, building roads in counties as follows:

Blair Co., 1269 lin.ft. rein.-con.

Columbia Co., 10,870 lin.ft. bituminous surface course on concrete foundation and Hillside vitr. brick, 9122 lin.ft. bituminous surface course on concrete foundation.

Dauphin Co., 12,725 lin.ft. bituminous surface course on concrete foundation or rein.-con., 24,765 lin.ft. rein.-con.

Lancaster Co., 21,506 lin.ft. bituminous surface course on concrete foundation or rein.-con.

McKean Co., 31,548 lin.ft. one course rein.-con. foundation or vitr. brick.

Northumberland Co., 9641 lin.ft. bituminous surface course on concrete foundation or rein.-con.; 25,693 lin.ft. rein.-con. and Hillside vitr. brick. L. S. Sadler, state highway comr.

Pa., Chester—Until June 17, by North Chester Realty Co., c/o Supt. Street and Public Improvements, City Hall, for 10,170 sq.yd. asphaltic concrete paving, 5340 sq.yd. granite paving block relaid, 29,700 sq.yd. bituminous macadam, 4050 sq.yd. waterbound macadam, 13,675 sq.yd. concrete foundation for paving, 5800 cu.yd. excav., 4500 cu.yd. embankment, 3300 lin.ft. concrete curbing. J. H. Brown, vice pres.

Pa., Coatesville—Until June 23, by City Council, paving various streets. Work involves 28,625 sq.yd. bituminous pavement on cement concrete base, 1375 sq.yd. bituminous pavement on existing base, 4500 sq.yd. vitr. brick pavement to be relaid, 4300 sq.yd. vitr. brick or stone block pavement along tracks and 3000 lin.ft. cement concrete curbing. Bids will be received on sheet asphalt, asphaltic concrete, Warrenite, Filbertine, amiesite and bito-slag pavement. C. A. Niles, city engr.; advertised in this issue. Noted Jan. 16.

Pa., Greensburg—Until June 24, by J. S. Sell, controller Westmoreland Co., improving 1.75 mi. Latrobe-Kingston Rd., Derry Twp., 0.33 mi. Beatty-Spur Rd., Unity Twp., and 0.37 mi. Jeannette-Penn Rd., Penn Twp. Bids will be received for brick pavement on concrete base, with integral concrete curb; also for rein.-con., using brick on all grades above 6%.

Pa., North Braddock (Braddock P. O.)—Until June 15, by Boro. improving Poplar Way from Bowers to South Sts., involving 2133 sq.yd. brick paving and 1800 cu.yd. excav. G. F. Siefers, boro. engr.

Pa., Reading—Until June 25, by city, paving and building appurtenant work in various streets. Work involves 17,000 sq.yd. sheet asphalt, 9000 sq.yd. vitr. brick and 650 sq.yd. wood block. E. B. Ulrich, city engr.; advertised in this issue.

Pa., Scranton—Until June 14, by Dept. Pub. Wks., paving curbing, etc., portions of Academy, Olive, Poplar, River and Pine Sts., Columbia, Fourth, Mattes and Taylor Aves., Forest, Dupont and Buenzil Courts; also building Grimes Court lateral sewer and pipe drain sewers in 20th Ward. R. W. Allen, dir. dept. pub. wks.

Md., Baltimore—Until June 18, by City Paving Comn., grading, curbing and paving Crooked Lane from Fayette to Lexington Sts., involving 340 sq.yd. old granite block relaid with cement filler on 5 in. concrete base, Washington Pl. from Centre St. to Mt. Vernon Pl., 1540 sq.yd. Hillside vitr. brick block with cement filler on 5 in. concrete base, Contr. No. 164; Brevard St. from Wilson St. to North Ave. and 2 alleys running west therefrom, 2910 sq.yd. 6 in. cement concrete, Contr. No. 165; Arch St. from Redwood to Saratoga Sts., Vine St. from Poppleton to Arch Sts., Pierce St. from Schroeder to Pearl Sts., Penn Alley from Myrtle Ave. to Arch St., 11,920 sq.yd. 6 in. cement concrete, Contr. No. 166. R. K. Compton, 214 Lexington St., chn. and consult. engr.

Virginia—Until June 17, by State Highway Comn., Richmond building 2.69 mi. road from Ryan Mills to Coleen, 16 ft. wide, Project No. 33, Nelson Co.; 4.27 mi. road from Fairfield to Timber Ridge Church, 16 ft. wide, Project No. 33, Rockbridge Co., both waterbound macadam; also one 30 ft. rein.-con. bridge, 20 ft. wide, 1600 ft. approaches, over Snow Creek between Spottsylvania and Carolina Counties, Project No. 49. G. P. Coleman, state highway comr.

W. Va., Elkins—Until July 8, by Comrs. Randolph Co., building 19 mi. roads and streets in Leadville Dist.; work to be let in sections. T. Pritt, clk. Advertised in this issue.

W. Va., Fairmont—Until June 28, by Comrs. Marion Co., building 1.50 mi. cement concrete road in Paw-Paw Dist. A. G. Martin, clk.

Streets and Roads (Continued)

W. Va., Martinsburg—Until June 23, by Comrs. Berkeley Co. resurfacing 13 mi. Martinsburg-Winchester Turnpike, 16 ft. wide, involving 61,600 sq.yd. waterbound macadam local stone. About $18,000. J. W. Sperow, Martinsburg, engr.

W. Va., Wheeling—Until June 30, by Comrs. Ohio Co. grading 1 mi. Liberty Dist. Rd., 18 ft. wide, with concrete. About $40,000 W. O. McCluskey, Jr. Wheeling, engr

Ga., Brunswick—Until July 5, by Glynn Co. paving 4.4 mi. Federal aid highway from city line to Picric Acid plant. P. E. Twitty, clk. E. R. Conant, consult. engr.; advertised in this issue.

Ga., Brunswick—Until July 5, by City Council for about 105,000 sq.yd. pavement on various streets. N. D. Russell, clk., E. R. Conant, consult. engr.; advertised in this issue.

Ala., Athens—Until June 25, by Comrs. Limestone Co., grading, draining and surfacing with gravel 9.97 mi. Bee Line Highway, State Trunk Rd. No. 1, between Decatur and Tennessee State line. Work involves 38,224 cu.yd. earth excav., 17,597 cu.yd. gravel surfacing, 8.42 mi. clearing and grubbing, 225 cu.yd. Class A and 45 cu.yd. Class C concrete, 18,252 lb. steel reinforcement and 550 ft. terra cotta pipe. W. S. Keller, c/o State Highway Dept., Montgomery, engr.

Tenn., Murfreesboro—Until June 17, at office of J. T. Rather, secy. city bd. comrs., for (1) 15,500 sq.yd. asphaltic concrete pavement, 400 lin.ft. vitr. brick headers, 500 cu.yd. earth excav., 1000 sq.yd. new macadam foundation, (2) 5510 lin.ft. 18-30 in. concrete combination curb and gutter, 4000 sq.ft. 24 in. concrete gutter, 500 sq.ft. concrete sidewalk., 12 catch basins, 60 ft. storm water culverts (without c.i. covers), (3) 2850 ft. 6-20 in. vitr. clay pipe sewer, (4) 570 ft. 2 in. galvanized pipe laid, 1600 ft. No. 6 B & S single conductor 5000 volt armored cable installed and 16 sidewalk outlets for cable. G. B. Howard & Co., 148 4th Ave., N., Nashville, engrs.; advertised in this issue.

Ohio—Until June 27, by State Highway Comn., Columbus, building 3 mi. Eaton Pike from Dayton to Johnsville Rd., 16 ft. wide, Montgomery Co. Work involves 3000 cu.yd. grading and 28,160 sq.yd. 8 in. rein.-con. paving. S. Sharts, co. engr.

O., Cincinnati—Until June 17, by Dir. Pub. Serv., improving 950 ft. Hopple St. from Colerain Ave. to east approach of Hopple St. Viaduct, 50 ft. wide, involving necessary alterations to water distributing system, cement sidewalks, etc. F. King, city engr.

O., East Liverpool—Until June 28, by E. J. Smith, dir. pub. serv., improving East 5th St. and Pennsylvania Ave., involving 8024 sq.yd. brick block on concrete base, storm sewers, etc.; Brady Alley, 162 cu.yd. grading, 601 sq.yd. brick block pavement, storm sewers, etc.; Bway from East 4th to East 6th Sts., 3839 sq.yd. brick block on concrete base, storm sewers, etc. Noted June 5.

Ind., Indianapolis—Until June 16, by Bd. Pub. Wks., resurfacing 420 ft. North St. from Meridian to Pennsylvania Sts., 40 ft. wide, involving 1866 sq.yd. pavement, cost $6498; 2557 ft. Shelby St. from first alley south of Prospect St. to Pleasant Run, 40 ft. wide, 11,460 sq.yd. pavement, 560 ft. limestone curbing, $21,178; 750 ft. North St. from Noble to Penn Sts., 27 ft. wide, 2250 sq.yd. pavement, $11,369. Bids will be received on vitr. brick, wood block, asphalt or bituminous concrete.

Ind., Indianapolis—Until June 24, by Comrs. Marion Co., grading, paving and building culverts on Alexander Ave., 5356 ft., from Sherman Dr. to Emerson Ave., 50 ft. wide, involving 29,755 sq.yd. vitr. brick, cost, $38,464; also 1013 ft. Sherman Ave. from English Ave to Pleasant Run Creek, 60 ft. wide, 6753 sq.yd. concrete.

Mich., Port Huron—Until June 19, by D. D. Worcester, rd. mgr. St. Clair Co., improving 3¼ mi. Smith Creek-Sunnyside Rd., 16 ft. wide. Plans include grading, surfacing and building drainage ditches, culverts, bridges, etc. Bids will be received on Class B gravel and Class C slag base with gravel top or penetration type.

Wis., Berlin—Until June 16, by city, for paving 7000 sq.yd. with concrete.

Wis., Plymouth—Until June 17, by J. Donohue, engr., York Bldg., Sheboygan, grading and paving 4.8 mi. Reed and Selma Sts., 18 ft. wide, for city. Work involves 23,500 sq.yd. vitr. brick, asphalt or concrete, 13,000 lin.ft. concrete curb and gutter, and 4500 cu.yd. grading. Cost between $35,000 and $45,000.

Wis., Racine—Until June 14, by city, paving, curbing and guttering Buchanan St., Portland cement concrete.

Wis., Sheboygan—Until June 16, by C. U. Boley, city engr., grading and paving 2.1 mi. North 10th St. from Superior to Jule Aves., 20 ft. wide, involving 12,000 sq.yd. asphalt and 6000 lin.ft. concrete curb and gutter, cost $20,000; 1.9 mi. Jefferson Ave. from North 7th to East Water Sts., involving 4500 sq.yd. concrete and 2900 lin.ft. concrete curb and gutter, $15,000. Noted May 29.

Wis., Sheboygan—Until June 14, by C. U. Boley, city engr., grading and paving 1.6 mi. North 6th St., from Pennsylvania Ave. to Water St. and North 4th to 9th Sts., 18 ft. wide. About $14,000. Work involves 3950 sq.yd. concrete and 1850 lin.ft. concrete curb and gutter. Noted May 29.

Wis., West Allis—Until June 21, by Bd. Pub. Wks., grading Cornwall Ave. from 77th to 81st Aves., and from 78th to Summit Aves.

Ia., New Hampton—Until June 19, by H. W. Tank, aud. Chickasaw Co., grading, tiling and surfacing with gravel, etc., Federal Aid Project No. 35, part of New Hampton-Waterloo and New Hampton-Cresco Rds., involving 29,772 ft. 6-12 in. tile, 32,925 cu.yd. gravel loading, 66,000 cu.yd. gravel hauling and 61,654 cu.yd. excav., grading and incidental work on Sects. F, G, and west ½ of H of New Hampton and Lawler Co. Rd., involving 2 mi. finished grade requiring 6585 cu.yd. excav.; advertised in this issue.

Ia., Newton—Until June 20, by city, paving and curbing 75,000 sq.yd. road, brick, asphalt, concrete or asphaltic concrete. E. G. Finch, clk.; advertised in this issue.

Minn., Blue Earth—Until June 23, by J. J. Herring, aud. Faribault Co., grading and graveling Federal Aid Project No. 36, State Rd. No. 1, involving 156,808 cu.yd. excav., loading and hauling 29,197 cu.yd. grading and surfacing material, 15 rein.-con. culverts, etc. Work will be divided in 3 sections and separate bids will be taken on each section of grading and work incidental thereto, or for grading and surfacing and work incidental to each. R. J. Short, Blue Earth, engr. Noted Apr. 10.

Minn., Grand Rapids—Until June 24, by Comrs. Itasca Co., building 8.95 mi. Federal Aid Project No. 52, State Rd. No. 6, 24 ft. wide. Work involves 54 acres clearing, 44 acres grubbing, 36,390 cu.yd. excav., 10,500 cu.yd. graveling, etc. O. J. Lidberg, Grand Rapids, engr.

Minn., Grand Rapids—Until July 2, by Comrs. Itasca Co., grading 10 mi. Federal Aid Project No. 52, 24 ft. wide. About $30,00. O. J. Lidberg, Grand Rapids, engr.

Minn., Litchfield—City receiving bids paving 10 blocks of streets. About $50,000. L. P. Wolff, 1001 Guardian Life Bldg., St. Paul, engr.

Minn., Litchfield—Until June 28, by A. O. Palmquist, aud. Meeker Co., grading and surfacing Federal Aid Project No. 40, involving 134,760 cu.yd. excav., loading and hauling 16,900 cu.yd. grading and surfacing material, one 90 ft. and one 16 ft. span bridges, etc. Work will be divided in 3 sections and separate bids will be received on each section of grading and work incidental thereto, or for grading and surfacing and work incidental to each. R. P. McNamara, Litchfield, engr. Noted Apr. 10.

Minn., Madison—Until June 25, by Comrs. Lac Qui Parle Co., grading and graveling 20 mi. and graveling 30 mi. Federal Aid Projects Nos. 54, 55 and 56, 24 ft. wide. About $200,000. R. Fredrik, Madison, engr. Noted Apr. 10.

Minn., Marshall—Until June 24, by R. D. Houdersheldt, aud. Lyon Co., improving 9 mi. Federal Aid Project, State Rd. No. 6. Plans include grading, graveling, grubbing, 89,884 cu.yd. excav., 107,969 cu. yd. overhaul, 1408 ft. 12-24 in. culverts, etc. H. W. Webster, Marshall, engr.

Kan., Marion—Until June 18, by city, paving 2 streets, concrete or brick. H. A. Rowland, McPherson, engr.

Kan., Pratt—Until June 18, by S. W. Ellis, city engr., for 53,600 sq.yd. vitr. brick paving, 22,524 lin.ft. concrete curb and gutter, catch basins, storm drains, etc.

Neb., Ainsworth—Until June 16, by village, for 19,240 sq.yd. concrete or brick pavement, 6520 lin.ft. curb and gutter, 4800 ft. soft steel protection plate. Cost, concrete $62,000, brick, $85,000 W. E. Standeven, 414 Bee Bldg., Omaha, engr.

Neb., Benkelman—Until July 1, by F. Woodward, clk. Dundy Co., grading, sand clay surfacing and building culverts on 12.7 mi. Max-Doane Rd., 24 ft. wide, involving 95,000 cu.yd. earth excav., 336 lin. ft. 18-30 in. concrete pipe, 318 cu.yd. concrete, etc. About $46,000. G. E. Johnson, c/o State Highway Dept., engr.

Neb., David City—Until June 16, by M. J. Bouse, clk. Butler Co., paving 1366 ft. road from here to Oceola, 16 ft. wide, involving 7993 sq.yd. concrete on 7¼ in. concrete base, 1940 lin.ft. 12-36 in. concrete or corrugated iron culverts, 115 cu.yd. concrete, etc. About $25,000. G. E. Johnson, c/o State Highway Dept., Lincoln, engr.

Neb., Hayes Center—Until July 2, by E. E. Gurrett, clk. Hayes Co., grading and improving 16 mi. Hamlet-Imperial Rd., in Hayes and Chase Counties, 24 ft. wide, involving 104,000 cu.yd. earth excav., 788 lin.ft. 18-24 in. concrete pipe and 81 cu.yd. concrete, etc. About $43,000. G. E. Johnston, c/o State Highway Dept., Lincoln, engr. Noted Feb. 13 under Nebraska.

Neb., Humboldt—Until June 17, by W. G. Lydick, city clk., paving 17,000 yd. various streets. J. R. Mullen, Fall City, engr.

Neb., Kearney—Until June 30, by G. E. Hasse, clk. Buffalo Co., grading and sand clay surfacing 20.4 mi. Kearney-Pleasanton Rd., 24 ft. wide, involving 170,000 cu.yd. earth excav., etc. About $75,000. G. E. Johnson, c/o State Highway Dept., Lincoln, engr.

Neb., McCook—Until June 24, by city, paving vertical Main and B Sts., involving 29,574 cu.yd. fibre brick on concrete base, asphalt filler, 9602 cu.yd. excav., 1806 ft. 5 in. concrete curb, 360 ft. double gutter, 10,682 ft. combined 5 in. curb and 30 in. gutter, 778 ft. combined 5 in curb and 48 in. gutter, 4875 ft. 10-36 in. storm sewer, 28 manholes and 70 catchbasins complete. Archer & Stevens, 609 New England Bldg., Kansas City, Mo., engrs. Noted Mar. 20.

Neb., Omaha—Until July 5, by F. Dewy, clk., Douglas Co., grading and improving 23.7 mi. Lincoln Highway, 24 ft. wide, involving 90,500 cu.yd. earth excav. and 872 lin.ft. 18-48 in. concrete pipe culverts, etc. About $46,000. G. E. Johnston, c/o State Highway Dept., Lincoln, engr. Noted Feb. 13 under Nebraska.

Neb., Stockville—Until July 3, by A. G. Williams, clk., Frontier Co., grading and building culverts on 12.1 mi. Curtis-Stockville Rd., 24 ft. wide, involving 75,000 cu.yd. earth excav. and 788 lin.ft. 18-48 in corrugated pipe culverts. About $28,000. G. E. Johnson, c/o State Highway Dept., Lincoln, engr.

S. D., Millbank—Town Clk. is receiving bids for 10,000 sq.yd. concrete paving. L. P. Wolff, 1001 Guardian Life Bank Bldg., St. Paul, Minn., engr.

N. D., Bottineau—Until July 8, by Comrs. Botineau Co. building 8.01 mi. earth road. W. H. Robinson, c/o State Highway Dept., Bismarck, engr.

Montana—Until June 18, by State Highway Comn., Helena, gravel surfacing 4 mi. Sect. 1, Tongue River Rd., Custer Co. About $20,000. P. D. Pratt, state highway engr.

Montana—Until June 18, by State Highway Comn., Helena, gravel surfacing 4.74 mi. Red Trail west of Wibaux, 5.68 mi. east of Wibaux, 4 mi. Tongue River Rd. south of Miles City, 3.84 mi. Forsyth-Ashland Rd. south of Forsyth, 4.13 mi. Yellowstone Trail south of Livingston, 4.25 mi. Chinook, Malta Rd. east of Chinook and earth surfacing 6.13 mi. Grass-Range-Roundup Rd. south of Grass Range. P. D. Pratt, state highway engr.

Streets and Roads (Continued)

Arkansas—Until June 16, by State Highway Dept., Little Rock, grading and surfacing 26 mi. road, 22 ft. wide, in Rd. Impvt. Dist. No. 12. Work involves 234,800 sq.yd. asphaltic macadam surfacing, 16 ft. wide, 750 cu.yd. rein.-con., 140,000 cu.yd. earth excav., 70 acres clearing and grubbing, 960 lin.ft. 18-24 in. pipe culvert and 259,870 cu.yd. stone. E. E. Mashburn, Cotton Plant, engr.

Arkansas—Until June 26, by Comrs. Rd. Impvt. Dist. No. 1, Jefferson and Lincoln Cos., at office of State Highway Dept., Little Rock, building 19 mi. gravel roads, 14 ft. wide. Work involves 47 acres clearing and grubbing, 85,600 cu.yd. earth excav., 1.45 mi. grading machine work, 1328 lin.ft. 16-30 in. rein.-con. pipe, 1025 cu.yd. class A and 392 cu.yd. class B concrete, 80,200 lb. steel reinforcing bars, 40,250 cu. yd. gravel, three 80 ft. steel spans and 1655 lin.ft. wooden pile bridges, etc. Moreland & Bennett, Pine Bluff, engrs.; advertised in this issue.

Tex., Bonham—Until June 16, by Comrs. Fannin Co., improving, grading and surfacing 7.121 mi. State Highway No. 5, from Ector to Grayson Co. line, 16 and 24 ft. wide. About $52,714. A. J. Goode, Bonham, engr. Noted May 22.

Okla., Oklahoma—Until June 17, by city, grading and improving 1500 ft. 13th St. from Kentucky to Pennsylvania Sts., 30 ft. wide, involving 4200 sq.yd. asphalt on 6 in. concrete base, 2900 lin.ft. concrete curbing, 2500 cu.yd. earth excav., cost, $75,000; 5th St., from Western to Pennsylvania Sts., 20 ft. wide, involving 5000 sq.yd. bituminous concrete on 6 in. concrete base, 4350 concrete curbing, 3500 cu.yd. earth excav., $30,000. J. W. Bennett, city engr.

Colo., Ft. Collins—Until June 17, by city, for 37,710 sq.yd. rein.-con. pavement, 5984 cu.yd. earth excav., 4469 lin.ft. concrete curbing, etc. W. B. Check, city engr.; advertised in this issue.

Ariz., Bisbee—City is receiving bids paving 35,000 sq.yd. Tombstone Canyon, Main, Bressey and Gulch Sts., 4 in. concrete or macadam. P. H. Halleck, Box 1103, city engr. Noted Apr. 24.

Washington—Until June 24, by State Highway Comn., Olympia, paving 7 mi. Pacific Highway from Forest to Toledo, Post Rd. No. 27, Lewis Co.; 4.5 mi. Sunset Highway from Spokane to Lincoln Co. line, Post Rd. Project No. 22, both concrete. J. Allen, c/o State Highway Comn., engr.

Washington—Until June 25, by State Highway Comn., Olympia, paving 7.7 mi. Pacific Highway from Mt. Vernon to Snohomish Co. line, Post Rd. No. 30, Skagit Co.; 3.2 mi. Olympic Highway from Montesano west, Post Rd. Project No. 26, both concrete, Gray Harbor Co. J. Allen, state highway engr.

Wash., Aberdeen—Until June 25, by City Council, paving, curbing and building sidewalks on 7 blocks of Wiskah St. from K to Washington Sts., 48 ft. wide. Work involves 13,830 sq.yd. concrete, 4470 lin.ft. concrete curbing and 4050 lin.ft. concrete sidewalk. About $52,700. A. H. Blood, city engr.

Wash., Enumclaw—Until June 17, by City Council, improving various streets, involving 15,144 sq.yd. concrete sidewalk, 32,678 lin.ft. concrete curbing, 14,303 cu.yd. earth excav. and 4897 cu.yd. gravel. C. E. Magnuson, clk.

Wash., Seattle—Until June 16, by Comrs. Union Co., building 2 mi. J. B. McDougall Rd., 16 ft. wide, involving 18,000 sq.yd. concrete and 3000 cu.yd. earth excav. About $56,000. S. Humes, co. engr. Noted Apr. 24.

California—Until June 23, by State Highway Comn., Forum Bldg., Sacramento, building 9.7 mi. road between Hopland and easterly boundary, Mendocino Co., involving 106,800 cu.yd. excav., 350 cu.yd. Class "A" Portland cement concrete, etc.; 9.4 mi. road between westerly boundary and Lakeport, Lake Co., 104,600 cu.yd. excav., 300 cu.yd. Class "A" Portland cement concrete, etc. A. B. Fletcher, state highway engr.

Que., Coteau Landing—Until June 16, by town, building cement sidewalks. About $20,000. G. Vernier, clk.

Ont., Galt—Until June 18, by W. H. Fairchild, city engr., building 15,000 sq.yd. asphaltic pavement and 8500 lin.ft. curbing and guttering on Main St. About $50,000.

Ont., Vankleek Hill—Until June 23, by W. T. Dunning, town clk., building 24,800 sq.yd. bituminous macadam road, 1947 sq.yd. concrete gutter and 1 rein.-con. culvert. Town will supply binder and road metal (unerushed) at points within ½ mi. average haul, of work. About $80,000. Magwood & Stidwell, Pitt St., Cornwall, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Massachusetts**—State Highway Comn., Springfield, let contract to Marshfield Constr. Co., Marshfield, $27,746, building 9700 ft. state highway, 18 ft. wide, Weymouth Twp., involving 39,000 gal. bituminous, 4900 tons broken stone, 1100 cu.yd. earth excav.; to W. Jones, Barnstable, $21,295, building 6500 ft. state highway, Wareham Twp., 26,200 gal. bituminous, 3300 ton broken stone, 1500 cu.yd. earth excav. Noted May 29th.

Massachusetts—A. W. Dean, engr., 212 State House, Boston, received bids June 3, building state highway, Southbridge Twp., 18 ft. wide, involving 19,000 gal. bituminous, 3250 ton broken stone, 200 ft. c.i. pipe, 2700 cu.yd. earth and 2150 cu.yd. fill excav., from F. O. Bowie, Southbridge, $27,362; Lane Constr. Co., 37 Colony St., Meriden, Conn., $27,779; T. McGovern Co., Southbridge, $28,270. Noted May 29.

★**Mass., Boston**—City let contract laying granite block pavement on Newbury and Boylston Sts., to J. Doherty & Co., Boston, $17,959. Work involves 2500 sq.yd. granite block and 550 sq.yd. asphalt, on 6 in. concrete base.

★**Mass., Boston**—Dept. Pub. Wks. let contract, to Rowe Constr. Co., Brighton, $45,576, paving Center St., et al, 40 ft wide, involving 22,750 sq.yd. asphalt, 365 lin.ft. stone curbing, 500 ton crushed stone; to Central Constr. Co., School St., $51,178, paving Greenwich St., West Roxbury, 40 ft. wide, 10,120 sq.yd. asphalt, 434 lin.ft. stone curbing, 37,940 sq.ft. concrete sidewalk.

★**Rhode Island**—State Bd. Pub. Rds., Providence, let contract building 10,560 ft. Hartford Pike, Johnston and Scituate Twps., to R. H. Newell & Sons Co., Uxbridge, Mass., $46,281; 9297 ft. East Main Rd., Portsmouth Twp., to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $49,838; 8180 ft. Waterman Ave., East Providence Twp., to B. Perini, Ashland, Mass., $63,772; 3550 ft. Mendon Rd., Lincoln Twp., to Winslow & Cummings, Nashua, N. H., $23,343. Noted May 29.

★**N. Y., Brooklyn**—E. Riegelmann, boro. pres., let contracts, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, regulating, grading, curbing and laying sidewalks on Dumont Ave., $3819; East 4th St., $15,404; East 17th St., $13,785; to Grimm Constr. Co., 460 Harold Ave., Richmond Hill, East 4th St., from Ave. I to J, and excavating to subgrade of 9 in. Ave. I from East 3rd to East 4th Sts., $4488; to Brooklyn Alcatraz Asphalt Co., 409 Hamburg Ave., East 67th St., $9785. Noted June 5.

★**N. Y., Endicott**—Endicott-Johnson Corp. and Village Trustees co-operating to macadamize boulevard along Susquehanna River, etc. About $30,000. Work will be done by day labor under supervision E. B. Lacey, Endicott.

★**N. Y., Lockport**—Common Council let contract paving Gooding St., brick, and West Jackson St., concrete, to C. N. Stainthorpe & Co., 126 Main St., $78,611. Noted Mar. 27.

★**N. Y., New York**—H. Bruckner, pres. Bronx Boro., let contracts repaving with granite blocks on concrete foundation, Southern Blvd., East 153rd and East 154th Sts., to O'Rourke Constr. Co., 150 Nassau St., $184,585, $27,533 and $10,741 respectively; Burnside Ave., to Burnside Constr. Co., 270 Burnside Ave., $19,298; Kinsella St., to A. F. Del Balso, 1481 Hoe Ave., $6038; Wilkins Ave., to S. S. Davis, $40,158. Noted June 5.

N. Y., New York—Armory Bd., at office of J. F. Hylan, mayor, City Hall, received lowest 3 bids, June 5, removing curb, extending concrete sidewalks and laying concrete foundation for floor in drill hall of 8th Coast Artillery Corps Armory, Jerome Ave. and Kingsbridge Rd., Bronx Boro.: Contr. No. 1, from F. Roeber, 507 5th Ave., $13,150; Craemer & Leedecke, $20,223; Spadero Contg. Co., 827 East 217th St., $21,190. Noted May 29.

N. Y., New York—F. L. Dowling, pres. Manhattan Boro., received bids June 3, regulating and repaving with granite block on concrete foundation, roadway of (a) Moore St., (b) West Bway., (c) William St., (d) Theatre St., (e) Centre St., (f) Walker St., (g) Madison St., from M. J. O'Hara, 1228 Park Ave., (a) $6616, (b) $80,342, (c) $5429, (e) $19,329, (f) $4168; Asphalt Constr. Co., 2197 Madison Ave., (a) $6960, (b) $82,007, (c) $5902, (d) $4250, (e) $22,262; Cramer & Leedecke, (a) $7194, (c) $24,073, (f) $4330; O'Rourke Constr. Co., 150 Nassau St., (b) $84,779; P. H. McCarthy, 17 East 13th St., (c) $6106, (d) $4561, (f) $4562; W. J. Fitzgerald, 547 West 45th St., (a) $7347, (b) $88,157, (c) $6140, (d) $4353, (e) $22,182, (f) $4494; Burnside Constr. Co., 270 Burnside Ave., (e) $21,643, (f) $4505; Davney Asphalt Paving Co., foot of Quinby Ave., (g) $57,608; J. L. Brusstar, Harlem River and 150th St., (g) $59,274; Uvalde Asphalt Paving Co., 1 Bway., (g) $60,872. Noted May 29.

N. Y., New York—L. Nixon, supt. pub. wks., Capitol, Albany, received lowest 3 bids June 3, paving barge canal terminals, Pier 6, East River, Contr. 52-P, from Sicilian Asphalt Paving Co., 41 Park Row, $11,225; Cleveland Trinidad Paving Co., Flushing, $12,375; Uvalde Asphalt Paving Co., 1 Bway., $12,450. Noted May 8.

★**N. Y., S. I., St. George**—C. D. Van Name, pres. Richmond Boro., let contract regulating and repaving with bituminous concrete on present macadam foundation, roadway of Richmond Ave., to Uvalde Asphalt Paving Co., 1 Bway., New York City. About $54,885. Noted May 22.

★**N. Y., Syracuse**—City let contract resurfacing 4000 ft. South Ave. from West Onondaga St. to Cortland Ave., to G. B. Dickinson, Union Bldg. About $75,000. Noted May 29.

★**New Jersey**—State Highway Comn., Broad St. Bank Bldg., Trenton, let contract building Sect. 1A State Highway Route No. 10, from Ft. Lee Ferry to Arcadian Way, Bergen Co., to D. G. Aronberg, Norfolk, Va., 96.9% of $481,000 (engineer's estimate). Noted May 29.

New Jersey—State Highway Comn., Broad St. Bank Bldg., Trenton, received bids surfacing (a) 21,384 sq.yd. State Highway Route No. 14, Wildwood Junction-Cape May Court House, Cape May Co., concrete, (b) 37,750 sq.yd. State Highway Route No. 14, Rio Grande-Wildwood Junction Sect., Cape May Co., concrete, from E. Riley Mixner, Goshen, (a) $114,687, (b) $71,645; W. P. McDonald Co., Phila., (a) $117,284, (b) $68,085; Cassedy & Homan, Cape May City, (a) $118,023, (b) $69,275. Noted Apr. 24.

★**N. J., Belvidere**—Bd. Freeholders, Warren Co. let contract building 1¼ mi. Hope Rd., concrete, to Salmon Bros., Netcong, $44,927. Noted Feb. 13.

★**N. J., Bogota**—Town Council let contracts to, F. Poriello, Hackensack, improving Palisade Ave., cost $15,675; C. De Napoli, Inc., Hackensack, improving Fairview Ave., $20,952; Hamilton & Phelan, Ridgefield Park, improving Grove St., $11,922; H. Martin, Leonia, improving Oakwood Ave., $13,769.

★**N. J., Camden**—City let contract paving 2 mi. Federal St. from 27th to 42nd Sts., 36 in. wide, to J. M. Kelley, 432 Market St., $54,285. Work involves 10,500 sq.yd. granite block at $5.17 per sq.yd.

N. J., Hackensack—Bd. Freeholders, Bergen Co. received bids improving 4.63 mi. Paterson Plank Rd., from Hackensack River Bridge to Carstadt, 5 in. granite surface on 5 in. concrete foundation, from M. J. O'Connell, 135 Union St., $183,089; J. E. Douden, New York City, $194,476; Union Bldg. & Constr. Co., Main Ave., Passaic, $196,571. Noted Apr. 10.

Streets and Roads (Continued)

N. J., Jersey City—City received lowest 3 bids improving Johnston Ave. from Grand St. to Cornelison Ave., Belgian block pavement on concrete base, from E. J. Flaherty Co., 76 Montgomery St., 97% of engineer's estimate ($19,000); Van Keuren Contg. Co., Prior St., 100%; J. Billington, 214 Boulevard St., 105%. Noted May 29.

N. J., Jersey City—City received bid improving Bond St. between Boulevard and Garrison Ave., from W. T. S. Crichfield, Washington St., Hoboken, 122% of engineer's estimate. Noted May 22.

★**Pennsylvania**—State Highway Dept., Harrisburg, let contracts building 11,065 ft. rein.-con., in Cameron Co., to Fish, Young & Parks, Phila., $104,885; 13,464 ft. rein.-con., Union Co., to Richardson-Hand Co., Wilkes-Barre, $82,306; 27,688 ft. rein.-con., Wayne Co., to M. J. Malloy, Sugar Notch, $210,327; 26,648 ft. rein.-con. and Hillside vitr. brick, Clarion Co., to Red Bank Constr. Co., New Bethlehem, $237,-139 Noted May 8.

★**Pa., Allentown**—City let contract paving Walnut St. with amiesite and building sewers, to G. H. Hardner, Lentz Bldg., $29,159 and $6238 respectively.

Pa., Ebensburg—Comrs. Cambria Co. received lowest bid building 3.4 mi. road in East Carroll Twp. from Patton Boro. to Carrolltown, from L. R. Anderson, Altoona, $286,953 for brick on concrete base and $264,464 for brick on cinder base.

★**Pa., Ebensburg**—Comrs. Cambria Co. let contract rebuilding 1 mi. brick road on 5 in. concrete base, in Patton Boro., to Gifford & Pinchot, Philipsburg, $23,718. Noted May 8.

Pa., Phila.—Dept. Pub. Wks. received low bids for improvements as follows: Schedule (A) grading (1) Claridge St.; (2) Northumberland St.; (3) Greene St.; (4) Ramona St.; (5) Windsor St.; (6) 74th Ave.; Schedule (B) improving Adams Blvd., part assessment work; Schedule (C), asphalt paving assessment work, (1) Lindle St.; (2) Spring Garden St.; (3) Vaux St.; (4) 6th St.; (5) 68th St.; Schedule (D), asphalt repaving, (1) Clementine St.; (2) Fairmount St.; (3) Lippincott St. from Kensington to Jasper Sts.; (4) Lippincott St., from Amber to Pennsylvania R. R.; Schedule (E), wood block repaving, (1) Carpenter St. from 6th to 7th Sts.; (2) Carpenter St. from 8th to 10th Sts.; (3) Marlborough St.; (4) Richmond St.; Schedule F, sprinkling macadam and district roads, (1) Dist. 1; (2) Dist. 5 and 7; (3) Dist. 6; Schedule (I), furnishing and applying dust layer; Schedule (J), furnishing and delivering fuel oil, from S. K. Davis Co., 20th and Spencer St., (A1) $9562; (A6) $9284; J. Mehan & Son, 915 West Dauphin St., (A1) $16,971; (A3) $19,210; (A4) $1762; (A5) $1573; (B) $34,440; (C2) $2753; (D2) $24,838; (E1) $7352; (E2) $7628; (E3) $2978; (E4) $3560; T. Connor, 3329 North 5th St., (A2) $9237; (A4) $1736; J. F. Feeney, 106 Kalos St., Wissahickon, (A2) $9327; H. C. Ambler, 3717 Old York Rd., (A2) $10,205; M. J. McCrudden, 805 Franklin Trust Bldg., (A3) $14,293; (I) Spec. 2, $20,800; D. McMahon, Post Office Bldg., Germantown, (A3) $14,983; (A6) $14,546; (F3) $6.42 per day; F. T. Buckius, Jr., 4050 Kensington Ave., (A4) $929; A. A. Pastor, 6028 Greenway Ave., (A5) $636; E. A. Muller, 5512 Vine St., (A5) $363; (F1) $6.90 per day; J. V. Cummings, Pennsylvania Bldg., (A6) $11,296; Barber Asphalt Paving Co., 239 North 30th St., (B) $30,812; (C1) $20,-632; (C2) $2325; (C3) $3766; (C4) $7940; (C5) $3970; (D1) $3831; (D2) $24,207; (D3) $3878; (D4) $1915; J. J. McHugh, 1430 South Penn Sq., (B) $32,242; (E1) $7515; (E2) $7774; (E3) $2938; (E4) $3565; Eastern Paving Co., 401 Colonial Trust Bldg., (C1) $21,975; (C2) $2513; (C3) $3850; (C4) $8697; (C5) $4020; (D1) $3877; (D2) $23,460; (D3) $4044; (D4) $2071; Mchy. Paving & Constr. Co., Nicetown Lane and C St., (C1) $23,166; (C3) $4056; (C4) $8082; (C5) $4059; (D1) $4371; Phila. Paving Co., 1345 Arch St., (D3) $5032; (D4) $2459; Cunningham & Murray, 1345 Arch St., (E1) $7474; (D2) $7730; (F1) $7.35 per day; (F2) $7.95 per day; (F3) $7.95 per day; C. L. Baden, 1345 Arch St., (F1) $7.47 per day; R. P. Bennis, Chew and Price Sts., (F2) $6.63 per day; J. P. Leewright, 426 Seville St., (F3) $9.40 per day; Headley Good Rds. Co., Franklin Trust Bldg., (I) Spec. 2, $18,460; (I) $2000; Atlas Refining Co., 3144 Passyunk Ave., (I) Spec. 1, $22,588; Spec. 2, $20,963; (J) $1520. Noted May 29.

Pa., Pittsburgh—Allegheny Co. received bids building 5280 ft. brick and concrete roadway on West Run Rd. from 8th Ave., Homestead Boro., to 1 mi. southwardly, 16 ft. wide, from R. Swan, Jenkins Arcade, $45,251, M. O'Herron, South 1st and McKean Sts., $49,027, T. Cronin, 17th and Muriel Sts. $50,752; 6000 ft. Tarentum-Culmerville Ridge Rd., 16 ft. wide, from T. Cronin, 17th and Muriel Sts., $51,645; Federal Constr. Co., Pittsburgh, $52,006; Hillside Stone Co., Farmers Bank Bldg., $64,-625. Noted May 15.

Pa., Pittsburgh—City received bids grading, paving and curbing Methyl St. from Wentworth St. to Coast Ave., involving 4225 sq.yd. vitr. brick on 6 in. concrete base, 2540 sq.yd. stone block, 5340 lin.ft. curbing, and 9534 cu.yd. earth excav., etc., from F. and F. Diulus, 40 Boundary St., $45,521; Booth & Flynn, 1942 Forbes St., $48,063; T. Cronin Co., South 17th and Muriel Sts., $48,427. Noted May 22.

★**Pa., Pittsburgh**—City let contracts grading, paving and curbing (a) Azalia St., involving 1020 sq.yd. vitr. brick on 6 in. concrete base, 55 sq.yd. stone block, 774 lin.ft. curbing, 328 cu.yd. earth excav., etc.; (b) Howley St., 1695 sq.yd. asphalt on 6 in. concrete base, 1207 lin.ft. curbing, 750 cu.yd. earth excav.; (c) Gray St., 695 sq. yd. vitr. brick and 1180 sq.yd. stone on 6 in. concrete base, 1713 lin.ft. curbing, 2355 cu.yd. earth excav.; (d) Alexis St., 2104 sq.yd. vitr. brick on 6 in. concrete base, 1693 lin.ft. curbing, 552 cu.yd. earth excav., etc.; (e) Faulkner St., 2910 sq.yd. vitr. brick on 6 in. concrete base, 2405 lin.ft. curbing, 2270 cu.yd. earth excav.; (f) Downing St., 600 sq.yd. stone block on 6 in. concrete base, 528 lin.ft. curbing, 877 cu.yd. earth excav.; (g) Boundary St., 630 sq.yd. stone block on 6 in. concrete base, 480 lin.ft. curbing, 2251 cu.yd. earth excav.; (h) Mulberry Way, 478 sq.yd. stone block on 6 in. concrete base, 155 cu.yd. earth excav., to Neelen & Daly, 2529 Perrysville Ave., (a) $5211; M. O'Herron, South 1st and McKean Sts., (b) $8836; (c) $15,895; Booth & Flynn, 1942 Forbes St., (d) $11,780, (f) $5328, (g) $6301, (h) $2582; T. Cronin, 17th and Muriel Sts., (e) $21,695. Noted May 22.

★**Pa., West Wyoming** (Pittston P. O.)—Town let contract paving 5800 sq.yd. Hicks Lane, with 5 x 12 x 2 in. "Hastings" asphalt blocks, to Banks Constr. Co., 51 South Washington St., Wilkes-Barre, $13,514.

★**Maryland**—State Rds. Comn., 601 Garrett Bldg., Baltimore, let contract building 2 mi. Hanover Pike from Hitshue's Corner, Reistertown, to near Wodensburg, Federal Aid Project No. 26, Contr. B-31, Baltimore Co., to Fisher & Carrozza, 805 Calvert Bldg., cost $50,311; 2.08 mi. highway from end of concrete road near Harrisville to eastern corporate limits of Rising Sun, Federal Aid Project No. 18, Contr. No. Co.-28, Cecil Co., to T. Mullen, 4001 Greenmount Ave., $58,143; 3.92 mi. highway through Aberdeen from western limits to Baltimore & Ohio R. R. crossing and from Pennsylvania R. R. crossing to eastern limits, Contr. H-22, Harford Co., to T. W. H. Abbott, 2802 St. Paul St., $37,063; 2.6 mi. highway from Jarrettsville to Bethel Church, near Cathcart, Federal Aid Project No. 17, Contr. No. H-23, Harford Co., to D. M. Andrew Co., Sisson and 26th Sts., $64,272; 2.33 mi. highway from Corriganville to Maryland-Pennsylvania State Line at Ellerslie, Contr. No. A-14, Allegany Co., to Vang Constr. Co., 2135 Linden Ave., $86,869; all contractors of Baltimore. Noted May 15.

Maryland—State Rds. Comn., 601 Garrett Bldg., Baltimore, received lowest bid building 2.12 mi. highway from Oakland toward Hutton via Crellin, Federal Aid Project No. 4, Contr. No. G-13, Garrett Co., from Vang Constr. Co., 2135 Linden Ave., Baltimore, $78,071. Noted May 15.

★**S. C., Columbia**—City let contract paving 3 blocks Assembly St. from Gervais to Taylor Sts., 30 ft. wide, to Powell Contr. Co., 1921 Taylor St., $53,140. Work includes paving two 30 ft. roadways and curbing parkways in street center, and involves 17,000 sq.yd. 6-8 in. concrete and 5000 lin.ft. curb. Noted May 22.

★**Fla., Kissimmee**—Comrs. Osceola Co. let contract grading and surfacing Dixie Highway, to Murphy & Maloney, Knoxville, Tenn. About $64,000.

★**Ala., Heflin**—Cleburn Co. let contract grading, draining and surfacing with chert part of Heflin and Anniston Rd., 3.5 mi. long, to Stanley & Seigle, Lafayette, $36,-798. Noted May 15.

★**Ohio**—State Highway Comn., Columbus, let contracts building roads in following counties:

Auglaize Co., Sect. "A-3" Wapakoneta-St. Marys Rd., 2.19 mi., grading, constructing bridges and culverts and paving with plain concrete, to York & Stonebaker, Greenville, O., $60,083.

Sect. "B-1" Wapakoneta-St. Marys Rd., 2.29 mi., grading, constructing bridges and culverts and paving with plain concrete, Renick & Smith, Findlay, $61,738.

Sect. "B-2" Wapakoneta-St. Marys Rd., 2.05 mi., grading, constructing bridges and culverts and paving with plain concrete, J. Wroe, Dayton, $54,651.

Columbiana Co., Sect. "E-1" Lisbon-Canton Southern Rd., constructing bridge over Beaver Creek, N. R. Porterfield, Youngstown, $13,331.

Jefferson Co., Sect. "D" Steubenville-Hammondsville Rd., 3.14 mi., grading, constructing bridges and culverts, W. F. Payne, Springfield, $35,439.

Medina Co., Sects. "P" and "Q" Cleveland-Wooster Rd., 4.73 mi., grading, constructing bridges and culverts and paving with bituminous macadam, G. S. Mellert & Co., Medina, $129,209.

Monroe Co., Sect. "E" Barnesville-Woodsfield Rd., 3.148 mi., paving with waterbound macadam on sandstone foundation, W. W. Patton, Woodsfield, $55,288.

Sect. "F" Barnesville-Woodsfield Rd., 4074 mi., paving with waterbound macadam on sandstone foundation, W. W. Patton, Woodsfield, $57,920.

Morrow Co., Sects. "E" and "F" Mansfield-Mt. Gilead Rd., 4.10 mi., grading, constructing bridges and culverts and paving with plain concrete, Brewer & Brewer Sons, Chillicothe, $112,501.

Preble Co., Sect. "F" Dayton-Indianapolis Rd., building bridge, Brookville Bridge Co., Brookville, $6605.

Richland Co., Sect. "A" Shelby-Ashland Rd., 1.98 mi. grading, constructing bridges and culverts and paving with bituminous macadam, Scott, Fike & McNabb, Ashland, $54,080.

Van Wert Co., Sect. "F" Van Wert-Delphos Rd., 4.75 mi. grading, constructing bridges and culverts and paving with bituminous macadam. P. Shindledecker, Van Wert, $103,601.

Sect. "G" Van Wert-Delphos Rd., 3.41 mi. grading, constructing bridges and culverts and paving with bituminous macadam, S. Putnam, Van Wert, $74,242.

Sect. "H" Van Wert-Delphos Rd., 2.59 mi. grading, constructing bridges and culverts and paving with bituminous macadam, N. B. Putnam, Van Wert, $59,843.

Williams Co., Sect. "C" Bryan-Wauseon Rd., 2.05 mi. grading, constructing bridges and culverts and paving with bituminous concrete, Municipal Constr. Co., Gary, Ind., $67,261.

Medina Co., Sect. "A-2" Cleveland-Wooster Rd., 1 mi. grading and paving with bituminous macadam, Highway Constr. Co., Springfield, $14,787. Noted June 5.

★**O., Marion**—Bd. Control let contracts to P. Drake & Son, Marion, grading, curbing, paving and laying water mains in Wallace St., cost $10,399; Bennett St., $23,-437; Park St., $44,987; Mill St., $10,175; to H. P. Streicher & Son, 319 Terminal Bldg., Toledo, Woodrow Ave., $21,522; Summit St., $15,066; Fairhaven Ave., $2113; to Kolberger & Hoyle, Marion, building sewer in Fairgrounds St., $9437.

Ind., Indianapolis—City received bids resurfacing (a) Chesapeak St. from Illinois to Pennsylvania Sts., (b) Vermont St. from East to West Sts., (c) Henry St. from Meridian to Illinois Sts., (d) Alabama St. from Washington to Ohio Sts., (e) Alabama St. from Washington to Maryland Sts., (f) alley east of Ruckle St. between 20th and 21st Sts., (g) Blackford St. from Washington St. to tracks south of canal, (h) alley south of 15th St. from alley east of Hudson to Alabama Sts., (i) 44th St. from Bway. to Central Ave., (j) 36th St. from Central to College Aves., from Union Asphalt Constr. Co., 308 Amer. Central Life Bldg., (a) asphalt, $2.73 per lin.ft., (b) asphalt $7.14, (d) asphalt, $6.02, (e) asphalt, $9.03; Columbia Constr. Co., Indianapolis, (a) brick, $4.00, (f) brick, $3.00, concrete $2.45, (g) brick, $7.50, concrete $5.90, (h) brick $3.70, concrete $3.20; Amer. Constr. Co., 108 North Delaware St., (b) asphalt, $7.39, (g) asphalt, $7.30, (i) asphalt, $6.42, bituminous concrete, $6.08, (j) asphalt, $6.10, bituminous concrete, $5.70; Marion Co. Constr. Co., 367 South Illinois St., (c) asphalt, $6.40; Abel Bros., 402 Amer. Central Life Bldg., (f) concrete, $2.54.

Streets and Roads (Continued)

★**Ind., Mt. Vernon**—Comrs. Rockcastle Co. let contract building about 7 mi. graded earth road, including drainage structures and bridges, to E. A. Clifton, London, $81,594.

★**Michigan** — State Highway Comn., Lansing, let contracts, to W. B. Chalmers Co., Grand Rapids, improving Federal Aid Project No. 16, Washtenaw Co., bituminous concrete, cost, $19,955; W. D. Shook, Orange Twp., Ionia Co., Assessment Dist. No. 59, 2½ mi. road west of Portland, Ionia Co., 16 ft. gravel surface, $20,335; Brighton & Spalding, Chamber of Commerce, Detroit, Assessment Dist. No. 54, 7.7 mi. road connecting Hillsdale Rd. with village of Waldron, Hillside Co., 16 ft., gravel, $85,292; Skelton & Ryan, Toledo, O., Brighton Rd., Lenawee Co., Class "C" gravel on slag base, $64,385. Plans include shaping, surfacing, grading, providing drainage structures and culverts.

Mich., Detroit—City received bids paving (a) Casper Ave., from Ferndale to Dix Aves., (b) Carter Ave. from Dexter to Quincy Aves., (c) Greeley Ave. from Westminster to Caniff Aves., (d) Honorah Ave. from Ferndale to Dix Aves., (e) Longworth Ave. from Springwells to Elsmere Sts., (f) Norman Ave. from Ferndale to Woodmere Aves., (g) Olivet Ave. from Springwells Ave. to Michigan Central R. R., (h) Solvay Ave. from Fort St. to Michigan Central R. R., (i) Witt Ave. from Lawndale to Elsmere Aves., (j) Webb Ave. from 12th to Oakman Sts. and Stroll's subway, all 26 ft. wide with Amherst curbstone except (b) Berea curbstone, from Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $25,170, (b) $14,770, (c) $27,382, (d) $19,322, (e) $32,328, (f) $26,508, (g) $10,849, (h) $25,293, (i) $11,042, (j) $24,214; Cleveland Trinidad Paving Co., 2930 Woodward Ave., (a) $25,619, (b) $14,926, (c) $27,781, (d) $19,677, (e) $32,971, (f) $26,894, (g) $11,057, (h) $25,798, (i) $11,307, (j) $24,048; W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $25,800, (b) $14,692, (c) $28,788, (d) $19,820, (e) $33,238, (f) $27,125, (g) $11,086, (h) $25,866, (i) $11,337, (j) $24,351. Noted May 8 and 22.

Mich., Milan—City received bids grading, draining, curbing and paving Wabash St. from Saline River to south corporation line, 16-18 ft. wide, from Marshall & Green, Grand Rapids, $31,289; Litchfield & Stuart, Ann Arbor, $31,897; W. H. Knapp, Marshall, $34,180. Noted May 15.

★**Mich., Oakwood (Oxford P. O.)**—City let contract paving 5800 ft. Fort Blvd. from River Rouge bridge to Dearborn Rd., one course concrete, 2 strips 3000 ft. long, 20 ft. wide and two 2800 ft. long, 15 ft. wide, concrete curbing and 3 in. drain below curb, to F. Porath, 305 Free Press Bldg., Detroit; about $98,000. Noted May 22.

★**Illinois**—State Highway Comn., Springfield, let contracts improving Sects. D-15, A, B and C, Natl. Highway, Clark Co., to J. O. Heyworth, Harvester Bldg., Chicago, $526,586; Sects. D, Clark Co., and F-15d and E, Cumberland Co., to J. W. Etchison, Casey, $304,780; Sect. F, Cumberland Co., to J. O. Heyworth, Harvester Bldg., Chicago, $125,413; Sects. G and H, Cumberland Co., to H. Hays & Son, Janesville, Wis., $85,825 and $208,729, respectively. Noted May 15.

★**Ill., Belleville**—City let contract paving 1100 ft. South 3rd St., 28 ft. wide, concrete, to Hoeffken Bros. Supply & Constr. Co., 222 West B St., $11,135.

★**Wis., Manitowoc**—City let contract grading and paving 2.9 mi. 10th St., 20 ft. wide, to Manger & McGuker Co., 332 Layton Blvd., Milwaukee. About $45,000. Work involves 9930 lin.ft. concrete curb and gutter, 24,000 sq.yd. bituminous macadam and 12,000 cu.yd. grading.

★**Wis., Milwaukee**—Milwaukee Co. let contract paving 2 mi. Howell Rd. No. 4, 18 ft. wide, involving 21,200 sq.yd. concrete and 9200 cu.yd. earth excav., to Milwaukee Gen. Constr. Co., 878 2nd Ave., $53,308. Noted June 5.

★**Wis., Neenah**—City let contract paving Main, Lake and Church Sts., to J. Schneider Constr. Co., Menasha, $22,715. Noted May 8.

★**Ia., Marengo**—City let contract paving with bitumen filled brick on concrete base 57 blocks various streets 24-48 ft. wide, to A. Horribin, Des Moines, $301,000. Work involves 70,000 sq.yd. bitumen filled brick, at $3.20 per sq.yd., 2250 sq.yd. 6 in. concrete, $2.31 per sq.yd., 50,000 lin.ft. 18 in. curb and gutter, $0.805 per lin.ft., 25,000 cu.yd. earth excav., $0.785 per cu.yd. and 70,000 sq.yd. 3-6 in. concrete base.

★**Minn., Austin**—Comrs. Mower Co. let contract building Job No. 1901, State Rd. No. 3, Job No. 1902, State Rd. No. 2, Job No. 1903, State Rd. No. 8, to T. J. Freiderick & Rogers & Curtis Co., 705 Globe Bldg., Minneapolis, $14,876. Work involves 6600 cu.yd. excav., at $0.40 per cu.yd., loading and hauling 3690 cu.yd. material 0 to ½ mi., $0.75 per cu.yd., loading and hauling, 2759 cu.yd. ½ to 1 mi., $0.95 per cu.yd., loading and hauling 14,740 cu.yd. to 1 mi. point, $1.10 per cu.yd. and $0.55 per cu.yd. for additional haul beyond 1 mi. point.

★**Minn., Chaska**—Comrs. Carver Co. let contract building 2½ mi. Job No. 1908, Sect. 3 and 10, Waconia Twp., to J. J. Mergens, 403 Kasota Bldg., Minneapolis, $11,093. Noted May 15.

★**Minn., Duluth**—City let contracts to J. McDonnel, 1031 East 7th St., grading and paving 366 ft. 14th Ave. east from 9th to 10th Sts., 24 ft. wide, involving 1182 sq.yd. concrete, 939 lin.ft. concrete curbing and 654 ft. 12 in. sewer pipe, cost, $6500; A. N. Nelson, 1014 East 6th St., laying cement walks on 42,475 ft. of streets from west line 12th Ave. west of 110th Ave., W., $10,725, grading and paving with concrete 666 ft. 12th Ave. east from 9th to 13th Sts., 25 ft. wide, 2150 sq.yd. concrete, 1440 lin.ft. concrete curbing and 250 ft. 3 in. drain tile, $8627; D. H. Clough & Co., 914 East 1st St., paving 7850 ft. East 1st St. between 6th and 27th Aves., 34 ft. wide, 27,463 sq.yd. each of creosote block, sheet asphalt and bitulithic, $105,933; N. Anderson, 224 9th Ave., E., laying concrete sidewalks on 42,725 ft. streets east of east line of 12th Ave., west of 110th Ave., W., $10,834.

★**Minn., Mankato**—Comrs. Blue Earth Co. let contract paving 5000 sq.yd. road, 5 ft. wide, to Campbell Constr. Co., 7050 Hennepin Ave., Minneapolis, $17,800.

★**Minn., Preston**—Comrs. Fillmore Co. let contract building 8 mi. Federal Aid Project No. 39, State Rd. No. 1, 20 ft. wide, to Cameron Joyce & Co., Keokuk, Ia., $0.45 per cu.yd. Noted May 1.

★**Minn., St. Peter**—Comrs. Nicollet Co. let contract building 3½ mi. Job No. 1808, State Rd. No. 2, Granby Twp., to A. W. Webster, Nicollet, $12,840. Noted May 22.

★**Minn., Stillwater**—Comrs. Washington Co. let contract grading and graveling 5 mi. Project No. 42, State Rd. No. 3, 24 ft. wide, to Jaemesin, Thorsen & Sandeen, Stillwater, $66,689. Noted May 15.

★**Minn., Willmar**—Comrs. Kandiyohi Co. let contract building 9.5 mi. Federal Aid Project No. 21, State Rd. No. 6, on Glacier Park Highway, to A. Guthrie & Co., 366 Jackson St., St. Paul, $235,960.

ROAD WORK—MISSOULA, MONT.

Bids were received by Bureau of Public Roads, Missoula, (lowest 3) for constructing Kooskia-Lowell Project, (1) 8 mi., (2) 23 mi., from (A) Carlson-Norman Co., Realty Bldg., Spokane, Wash.; (B) Rich & Markhus, Prosser, Wash.; (C) Lord Constr. Co., Hamilton, Wash., (C-1) Nettleton, Bruce-Eschbach Co., Amer. Bank Bldg., Seattle, Wash. The unit bids were as follows:

	A	B	C
32 acres clearing	$110.00	$150.00	$100.00
16,700 cu.yd. rock excavation	1.65	2.00	1.55
16,700 cu.yd. rock excavation (exp. fur.)	1.50	1.90	1.45
41,944 cu.yd. common excavation	.75	.75	.83
1,000 cu.yd. sta. overhaul	.05	.10	.05
7.95 mi. finishing earth road	200.00	200.00	258.00
42 cu.yd. class "C" concrete culv. H.W	30.00	30.00	40.00
63 cu.yd. cement rubble masonry culv. H.W	15.00	20.00	40.00
126 cu.yd. dry rubble masonry culv. H.W	10.00	6.00	12.50
1,091 lin.ft. 18-in. corrugated pipe culvert	2.70	3.00	4.25
64 lin.ft. 24-in. corrugated pipe culvert	4.60	4.60	5.25
64 lin.ft. 2 x 2-ft. log culverts	2.50	3.00	3.75
1,091 lin.ft. 1½x2-ft. log culverts	2.50	2.00	3.25
635 lin.ft. rustic guard rail	1.00	.50	.60
3,268 cu.yd. dry rubble masonry retaining wall	3.00	2.50	6.00
16 acres grubbing	240.00	145.00	100.00
16 acres grubbing (exp. fur.)	220.00	140.00	100.00
36 lin.ft. 6x4-ft. log culverts	6.00	7.00	7.50
2 10-ft. span log bridge	110.00	100.00	125.00
2 12-ft. span log bridge	138.00	120.00	150.00
3 14-ft. span log bridge	161.00	140.00	175.00
1 16-ft. span log bridge	184.00	160.00	200.00
1 18-ft. span log bridge	216.00	180.00	225.00
1 20-ft. span log bridge	240.00	200.00	250.00
360 cu.yd. cement rubble masonry bridge abutments	15.00	20.00	20.00
360 cu.yd. concrete masonry bridge abutments	25.00	25.00	50.00
3,813 sq.ft. log bridge abutments	.70	.80	.65
Extended totals	$83,018	$87,481	$94,139

	A	B	C
59 acres clearing	$90.00	$150.00	$100.00
26,060 cu.yd. rock excavation	1.65	2.00	2.50
26,060 cu.yd. rock excavation (exp. fur.)	1.50	1.90	2.25
94,818 cu.yd. common excavation	.75	.70	.70
1,000 cu.yd. sta. overhaul	.05	.10	.05
22.8 mi. finishing earth road	200.00	200.00	200.00
108 cu.yd. class "C" concrete culv. H.W	30.00	30.00	33.00
162 cu.yd. cement rubble masonry culv. H.W	15.00	20.00	20.00
324 cu.yd. dry rubble masonry culv. H.W	9.00	6.00	7.00
2,737 lin.ft. 18-in. corrugated pipe culverts	2.70	3.00	3.50
82 lin.ft. 30-in. corrugated pipe culverts	4.60	6.00	6.00
38 lin.ft. 36-in. corrugated pipe culverts	5.30	6.60	8.00
38 lin.ft. 3x3-ft. log culverts	4.00	5.00	4.00
82 lin.ft. 3x2-ft. log culverts	3.50	4.00	3.00
345 lin.ft. 2x2-ft. log culverts	2.50	3.00	2.00
2,392 lin.ft. 1½x2-ft. log culverts	2.50	1.50	1.50
985 lin.ft. rustic guard rail	1.00	.50	.80
3,965 cu.yd. dry rubble masonry retaining wall	3.00	2.50	4.50
28 acres grubbing	190.00	150.00	200.00
28 acres grubbing (exp. fur.)	170.00	140.00	180.00
36 lin.ft. 6x4-ft. log culverts	6.00	7.00	8.00
3 10-ft. span log bridge	110.00	100.00	60.00
4 12-ft. span log bridge	138.00	120.00	70.00
4 14-ft. span log bridge	161.00	140.00	85.00
3 16-ft. span log bridge	184.00	160.00	95.00
2 18-ft. span log bridge	216.00	180.00	110.00
2 20-ft. span log bridge	240.00	200.00	125.00
700 cu.yd. concrete masonry bridge abutments	25.00	25.00	28.00
700 cu.yd. cement rubble masonry bridge abutments	15.00	20.00	20.00
7,280 sq.ft. log bridge abutments	.70	.80	.60
Extended totals	$153,347	$157,518	$170,075

Streets and Roads (Continued)

★**Minn., Willmar**—Comrs. Kandiyohi Co. let contract paving 9.5 mi. Federal Aid Project No. 31, State Rd. No. 6, 20 ft. wide, with rock, to A. Guthrie & Co., 366 Jackson St., St. Paul, $235,960. Noted May 8.

★**Kan., Kansas City**—City let contract resurfacing Kansas Ave. from 1st to 12th Sts., involving 30,000 sq.yd. rock asphalt, to D. G. Randebush, Kansas City, at $1.65 per sq.yd.

★**Kan., Kansas City**—Wyandotte Co. will build 2½ mi. Fort to Fort Highway, 18 ft. wide, concrete. Work will be done by day labor under supervision of O. K. Williams, co. engr. Former bids rejected.

Neb., Geneva—C. Underwood, city clk., received bids May 29, paving and building storm sewers in 10½ blocks, from Abel Constr. Co., 318-19 Terminal Bldg., Lincoln, $140,494; Intermountain Bridge & Constr. Co., Tecumseh, $143,725. Noted May 15.

★**Neb., Madison**—City let contract paving Madison, Pearl and 3rd Sts., 24-56 ft. wide, involving 29,296 sq.yd. vertical fibre, 14,504 lin.ft. concrete curb and 6190 cu.yd. earth excav., to Abel Constr. Co., 318-19 Terminal Bldg., Lincoln, $125,909.

★**Wyo., Thermopolis**—A. J. Lowry, town clk., let contracts paving streets in Paving Dist. No. 1, to C. Connor, Golden St., Denver, Colo.; storm sewers, to Security Bridge Co., 502 North 32nd St., Billings, Mont. Noted May 8.

★**Montana**—State Highway Comn., Helena, let contract building Federal Aid Project No. 3, Big Horn Co., to A. Carlson, Columbus, $16,511.

★**Ark., Blytheville**—Comrs. Paving Dist. No. 1 and Curbing, Guttering and Storm Sewering Impvt. Dist. No. 1, let contract for 2 mi. paving, involving 38,476 sq.yd. concrete, 25,584 sq.yd. rein.-con. gutters, 42,582 lin.ft. concrete curbs and 1600 lin.ft. 15 and 18 in. storm sewer with appurtenances, to Healy & Rousch, Cape Girardeau, Mo. About $150,000. Noted May 29.

★**Tex., Dallas**—City let contract paving Beckley Ave. from Zangs Ave. to Tilden St., 30 ft. wide, to Standard Eng. & Constr. Co., Interurban Bldg., Dallas. $24,221. Work involves 6615 sq.yd. Uvalde rock asphalt on 5-in. concrete base, 3958 lin.ft. combined curb and gutter, 139 lin.ft. sidewalk and 2530 cu.yd. earth excav.

★**Tex., Dallas**—Dallas Co. let contract improving 9.125 mi. State Highway No. 1, known as Dallas-Ft. Worth Rd., 20 ft. wide, to Healey Constr. Co., Burk Burnett Bldg., Ft. Worth, $303,966. Noted May 8.

★**Tex., Seguin**—Comrs. Guadalupe Co. let contract grading and surfacing 3.256 mi. Texas Post Rd. from Comal Co. line to Bexar Co. line, 15 ft. wide, involving 17,192 lin.ft. grading and 28,654 sq.yd. bituminous material, to S. A. Starkey, Houston, $16,046. Noted May 15.

★**Wash., Aberdeen**—City let contract paving and building sidewalks on 7 blocks 1st St. from M to Division Sts., involving 8605 sq.yd. concrete paving, 4850 lin.ft. curbing and guttering and 3365 lin.ft. concrete sidewalk, to Hankeli, Hegg & Co., Aberdeen, $34,208.

★**Wash., Cashmere**—City let contract paving Cottage Ave., et al, involving 16,000 sq.yd. concrete, to Burt & Singfeller, Wenatchee. About $41,000. Noted May 29.

★**Wash., Charleston**—City let contract paving Cambrian Way, involving 39,065 sq. yd. 1 course concrete, 945 sq. yd. concrete sidewalk, 13,900 cu.yd. earth excav. and 1000 cu.yd. rip rap, to R. G. Stevenson, 1327 Ewing St., Seattle, $118,008.

★**Oregon**—State Highway Comn., Portland, let contract paving and grading 9.8 mi. McMinnville-North Yamhill Rd., section of McMinnville-Forest Grove Highway, Yamhill Co., to Northwestern Constr. Co., Portland, $224,155, using concrete pipe and No. 2 concrete pavement. Noted May 29.

★**Ore., Enterprise**—City let contract paving with bitulithic 1st unit of village streets, to Warren Constr. Co., Journal Bldg., Portland. About $114,000. Noted May 22.

California—State Highway Comn., 515 Forum Bldg., Sacramento, let contract, to J. A. Marshall and J. S. Baker, Berkeley, building 3 mi. Div. 4, Route 5, Sect. A, State Highway between Glenwood and Sand Hill School, Santa Cruz Co.; to F. Rolandi, 550 Montgomery St., San Francisco, 11 mi. Div. 11, Route 20, Sect. E, State Highway between White Bar Creek and Helena, Trinity Co. Noted May 8.

California—State Highway Comn., Forum Bldg., Sacramento, received lowest 3 bids building Sect. E, Route 20, Div. 2, Federal Aid Project No. 8-A, Trinity Co., involving 140,000 cu.yd. excav., 950 cu.yd. Class "A" Portland cement concrete, from F. Rolandi, 550 Montgomery St., San Francisco, $242,320; Erickson & Peterson, Inc., Monadnock Bldg., San Francisco, $274,295; Palmer & McBryde, Hooker & Lent Bldg., San Francisco, $294,545; Sect. A, Route 28, Div. 2, Federal Aid Project No. 10, Modoc Co., 48,000 cu.yd. excav., 450 cu.yd. Class "A" Portland cement concrete, etc., W. H. Paulk and F. D. Harbert, Adin, $123,821; Sect. A, Route 3, Div. 4, road in Santa Cruz Co., 6000 cu.yd. excav., 3520 cu.yd. Class "A" Portland cement concrete, etc., J. A. Marshall and J. S. Baker, Berkeley, $29,620; W. A. Dontanville, Arroyo Grande, $29,790; Bates & Borland, Oakland Bank of Savings, Oakland, $29,860.

★**Cal., Avalon**—See "Waterworks."

★**Cal., Merced**—City let contract grading 4½ blocks of K St. and alley in Block B, to A. Teichert & Sons, Sacramento, $0.192 per sq.ft. for paving and $0.65 per lin.ft. for cement curbs. Plans include 4-in. concrete paving with ½-in. screenings and oil surface, cement curbs, etc. Noted Apr. 10.

Cal., San Diego—Common Council received bids paving with asphaltic wearing surface on 1 course Portland cement concrete base, Jackdaw, Hawk and Hunter Sts., Avalon and Arcadia Drives, from Fairchild-Gilmore-Wilton Co., 24 14th St., $32,764; G. R. Daley, McNeece Bldg., $32,773; T. C. Breitenstein, P. O. Box 165, $33,099. Work involves 3165 lin.ft. cement curbing and 15,330 sq.yd. asphaltic wearing surface on 4-in. concrete base, etc.

★**Cal., Stockton**—City let contract grading, building cement curbs, concrete gutters, concrete and oil paving on streets west of California St. in North Stockton Sect., to Clark & Henry Co., 38 South Sutter St., $19,363.

★**Que., Quebec**—City let contract paving Beauport and Charlesbourg Rds., with Mexican asphalt, to Quebec Paving Co., 16 2nd Ave. About $130,000. Noted May 15.

★**Que., St. Joseph d'Alma**—Town let contract building macadam road, to J. Girard. About $20,000.

★**Ont., Ottawa**—Bd. Control let contract paving Booth St. from Somerset to Queen Sts., asphalt, to Ottawa Constr. Co., Elgin St., $30,041. Noted May 29.

Railways

PROPOSED WORK

California—City Comrs. Pasadena, directed R. V. Orbison, city engr., to make new survey for electric railway between here and Los Angeles. Bond issue for project defeated short time ago but proposition will be submitted to voters again in a few months. About $3,000,000. H. Dyer, clk. Noted Apr. 17.

Excavation and Dredging

PROPOSED WORK

Ga., Gainesville—Dredging—Bd. Comrs., D. D. No. 1, Hall Co., soon lets contract dredging 5 mi. drainage ditches, involving 193,748 cu.yd. dredge work. W. A. Mitchell, chn.

Minn., Grand Rapids—Excavation—See "Streets and Roads."

Ariz., Clifton—Excavation—See "Streets and Roads."

Cal., Bakersfield—Irrigation—City Council has ordered East Side Canal Co. to cover its irrigation ditches within city limits. About $250,000.

Cal., El Centro—Canals—See "Miscellaneous."

BIDS DESIRED

N. J., Manahawkin—Until June 17, by Ocean Co. Mosquito Extermination Comn., New Brunswick, cutting 40,000 lin.ft. or more of ditching, 10 in. wide, 15 in. deep and 20,000 lin.ft. 10 in. wide, not more than 30 in. deep, on salt marshes in Lacey and Ocean Twps., Ocean Co. T. J. Headles, executive officer.

Del., Dover—Dredging—Until June 16, by Indian River Inlet Comn., at office of State Highway Dept., Dover, dredging inlet to Indian River Bay, Sussex Co., involving 20,000 cu.yd. excav. C. M. Upham, ch. engr.; advertised in this issue.

N. C., Beaufort—Drainage—Until Jun[illegible] 18, by Drainage Comrs. Carte[illegible] Co., building 272 mi. canal involving [illegible] yd. excav.

La., Thornwell—Canal—Until [illegible]ne 21 by Thornwell D.D. No. 1, build[illegible] drainage canal involving 200,000 cu.yd. [illegible] earth excavation. T. H. Mendell, Lake [illegible]arles, La. engr.

Tenn., Jackson—Drainage—Until June 25, by Bd. Dir. of D. D. No. 8, [illegible]dison and Haywood Counties, building [illegible] mi. canal involving 107,633 yd. floating [illegible]dgework. J. T. Rothrock, Jackson, chn.

Minn., Blue Earth—Excavation—See "Streets and Roads."

Minn., Little Falls—Excavation—See "Streets and Roads."

Minn., Marshall—Excavation—See "Streets and Roads."

Ore., Portland—Channel—Until June [illegible] by City Council, building channel from Columbia River to Columbia Slough, to serve as outlet for sewers of Peninsula Sewer Dist., involving 1,325,000 cu.yd. excav. and 20,000 cu.yd. riprap. O. Laurgaard, city engr. Noted Apr. 17.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Barnstable—Channel—Massachusetts Harbor & Land Comn., Boston, received bids June 4, dredging channel in Popponsett Bay, here, from J. R. Burke, 79 Devonshire St., Boston, $52,070; J. S. Packard Co., Turks Head Bldg., Providence, R. I., $52,480; Gerrish Dredging Co., 101 Tremont St., Boston, $55,350. Work involves 82,000 cu.yd. floating dredgework.

★**N. Y., New York**—Dredging—M. Hurlburt, comr. docks, Pier "A," Battery Pl., let contract furnishing all labor and material for dredging at West 46th St., North River, Contr. 1614, to F. A. Schomberg, $9680. Noted June 5.

★**Mich., Newport**—Dredging—Realty Co., Newport, let contract dredging 1200 ft. of 72 ft. canal, average depth 12 ft. (all earth), to J. Berchil Dredging Co., Moffat Bldg., Detroit. About $35,000.

★**Wis., Sheboygan**—Excavation—Sheboygan Co. let contract excavating and laying 3.9 mi. 8-12 in. tile in D. D. No. 1, involving 5950 cu.yd. dry earth excav., to Koeppe & Jacoby, Main St., Cedar Grove. About $18,000. Noted May 29.

Minn., Warren—Excavation—See "Streets & Roads."

★**Mo., Poplar Bluff**—Excavation—Comrs. Inter River D. D., Butler Co., let contract building 206 mi. open ditch, 12-55 in. wide at base, 8 ft. deep, involving 7,200,000 cu. yd. floating dredgework and dragline excav., to Callahan Constr. Co., Great Southern Life Bldg., Dallas, Tex., at $0.10½ per cu.yd. Noted May 29.

Cal., Sacramento — Excavation — See "Streets & Roads" under California.

Industrial Works

PROPOSED WORK

Vt., Rutland—Zipkes, Wolff & Kudroff, archts., 25 West 42nd St., New York City, prepared plans for 2 story, 50 x 110 ft. brick and steel factory, rein.-con. flooring, brick foundation, here. About $80,000. Owners name witheld.

Mass., New Bedford—Butler Mill, Federal St., Boston, soon receives bids building 2 story, rein.-con., fireproof mill, rein.-con. flooring, concrete foundation, on Ruth Ave. here. About $100,000. Lockwood Greene & Co., 60 Federal St., Boston, archts.

Mass., New Bedford—Nashawena Mills, Belleville Ave., plans to build 4 new factories with a combined floor space of 200,000 sq.ft. About $300,000. C. R. Makepiece & Co., 430 Butler Exch., Providence, R. I., engrs.

Mass., Willimansett—B. F. Perkins & Son, Inc., 2 Crescent St., Holyoke, purchased large site along Boston & Maine R. R. tracks, here, and plans to build plant. Architect not selected.

R. I., Pawtucket—J. and P. Coats, Inc., Pine St., plans to construct 2 story, 50 x 80 ft. addition to mill and 2 story, 70 x 80 ft. rest and dining room building, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $50,000.

Industrial Works (Continued)

R. I., Pawtucket—W. G. Richards, archt., 17 Exchange St., Providence, soon receives bids for 1 story, 101 x 132 ft. garage and 1 story, 25 x 36 ft. salesroom, brick, rein.-con. flooring, concrete foundation, on Main St., for H. and S. Rand, North Main St. About $45,000.

R. I., Providence—J. Lockhart, Hope and 4th Sts., soon receives bids building 1 story, 50 x 150 ft. and 50 x 50 ft. concrete garage and salesroom, concrete flooring, concrete foundation. About $30,000.

Conn., Groton—M. Pollack & Co., Conantville, (Willimantic P. O.) plans to build 3 story, 50 x 130 ft., brick and steel factory and several workmen's houses, concrete foundation, here. About $200,000.

Conn., Hartford—Colonial Auto Co., 1279 Main St., plans to build 2 story, 65 x 165 ft. brick and rein.-con. garage and sales station, rein.-con. flooring, concrete foundation, on Ann St. About $65,000. E. T. Wiley, 75 Pratt St., archt.

Conn., Hartford—G. A. Zunner, archt., 756 Main St., soon lets contract building 1 story, 52 x 102 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Park St., for T. Yaffo, 156 Lawrence St. About $25,000.

Conn., New Britain—G. A. Zunner, archt., 756 Main St., Hartford, soon lets contract building 1 story, 50 x 125 ft. brick and steel garage and service station, rein.-con. flooring, concrete foundation, on Hartford Ave., for City Service Sta., Stanley St. About $30,000.

Conn., New Haven—Brown & Thomas Auto Co., 7 Dixwell Ave., plans to build garage and salesroom, on Whalley Ave. About $60,000. Architect not selected.

Conn., New Haven—W. L. Frank, 61 Prince St., plans to build 1 story, 50 x 165 ft. brick and concrete garage, concrete flooring, concrete foundation, on George St. About $30,000. J. Weinstein, 6 Church St., archt.

N. Y., Black River—Northern New York Utilities, Inc., Light & Power Bldg., Watertown, soon receives bids building rein.-con. power house, 2500 lin.ft. power canal, involving rock and earth excav., dam forebay and tailrace, also steel viaduct over canal carrying State Highway. Company will also install 2 vertical turbine generator units and appurtenances. J. B. Taylor, pres. H. G. Davis, ch. engr. Noted Mar. 6.

N. Y., Brooklyn—C. Hutwelker, 655 5th Ave., had plans prepared by E. F. Seelye, archt. and engr., 101 Park Ave., New York City, for 5 story, 63 x 100 ft., brick and steel packing house, rein.-con. flooring, concrete foundation, on Hall St. and Flushing Ave. About $100,000.

N. Y., Brooklyn—Mason, Au & Magenheimer, 22 Henry St., having plans prepared by Ebling & Magnerson, archts., 52 Vanderbilt Ave., New York City, for 8 story, 60 x 100 ft. rein.-con. and steel addition to factory, rein.-con. flooring, concrete foundation, at 24 Henry St. About $150,000.

N. Y., Brooklyn—Shampan & Shampan, archts., 50 Court St., preparing plans for 4 story, 92 x 100 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on Varet and White Sts. About $100,000. Owner's name withheld.

N. Y., Long Island City—Sawyer Biscuit Co., 404 East 32nd St., New York City, soon receives bids for 8 story, 126 x 200 ft. rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Degnon St. here. Ballinger & Perrott, 1328 Bway., New York City, archts. and engrs. Noted May 8.

N. Y., New York—Hillman Co., 567 3rd Ave., soon receives bids building 1 story, 99 x 120 ft. brick and steel garage, rein.-con. flooring, concrete foundation, at 237-245 East 41st St. About $25,000. M. H. Harrison, World Bldg., archt. Noted June 5.

N. Y., Pierrepont Manor—Northern New York Milk Co. recently incorporated with $500,000 capital stock, plans to build rein.-con. milk station, evaporating plant and milk shipping station. About $200,000. Address F. P. Redfield, Adams, dir.

N. Y., Syracuse—B. G. H. Metal Mfg. Co., Inc., 106 South State St., purchased site at 108-12 South State St., and plans to build 3 story brick plant. About $25,000. W. E. Silas, secy.

N. Y. Utica—Horrocks-Ibbotson Co., 54 Genesee St., had plans prepared by W. L. Strobel, archt., Martin Bldg., for 1 brick factories on Whitesboro St. to contain 27,000 sq.ft. space and 2 storage buildings, 8500 sq.ft. space. About $75,000.

N. Y., Utica—See "Buildings."

N. J., Kearney (Arlington P. O.)—Ford Motor Co., Lincoln Highway, plans to build 4 story, 68 x 255 x 850 ft. assembling plant.

N. J, Kearney (Arlington P. O.)—White Tar Co. soon lets contract building 2 story, 100 x 200 ft., rein.-con. factory and office, rein.-con. flooring, concrete foundation. About $60,000. J. W. Cowper Co., Fidelity Bldg., Buffalo, N. Y., engr.

N. J., Lambertville—Chemung Iron & Steel Co., 39 Cortlandt St., New York City, having plans prepared by E. F. Quirk, engr., c/o owner, for 1 story, 100 x 380 ft., rein.-con. and steel rolling mill, rein.-con. flooring, concrete foundation. About $100,000.

Pa., Altoona—Altoona Overall Co. purchased 60 x 80 ft. site on Union Ave. and plans to build 3 story, brick factory. About $50,000. M. Henderson and A. Farrish, proprieters. Architect not selected.

Pa., Altoona—Mirror Printing Co., 1000 Green Ave., plans to build 3 story, 38 x 50 ft., brick and steel addition to plant, rein.-con. flooring, stone foundation, on Green Ave. and 10th St. About $35,000. J. Millard, Hutchinson Bldg., archt.

Pa., Bangor—Zipkes, Wolff & Kudroff, archts., 25 West 42nd St., New York City, prepared plans for 2½ story, 50 x 100 ft., brick, steel and timber factory, rein.-con. flooring, brick foundation. About $80,000. Owner's name withheld.

Pa., Johnstown—H. J. Cartin, secy. bd. dirs., Conemaugh Valley Memorial Hospital, soon lets contract building 2 story, rein.-con., steel and brick boiler house and annex on Franklin St., 8th Ward. About $25,000. W. R. Myton, 1204 1st Natl. Bank Bldg., archt.

Pa., Phila.—F. D. Heyburn, 52nd St. and Overbrook Ave., rejected bids opened June 2 building 2½ story, 16.18 x 31.44 x 32.27 ft brick garage and store house. New bids soon. Addison Savery, 21 South 12th St., archt.

Pa., Phila.—J. M. Kennedy, 1001 Chestnut St., having plans prepared by H. H. Kline, archt., 536 Mifflin St., building 2 story, concrete, steel and brick factory, on Venango and B Sts.

Pa., Phila.—H. H. Kline, archt., 536 Mifflin St., preparing plans for 1 and 2 story, 72 x 602 ft. concrete, steel and brick factory on Richmond Ave. Owner's name withheld.

Md., Baltimore—Genl. Investment Co., Columbia Ave. and Baltimore & Ohio R.R., plans to build 4 story, 90 x 100 ft., rein.-con. and steel warehouse, rein.-con. flooring, rock and concrete foundation, on Columbia Ave. and Putman St. About $50,000. S. Leibowitz, mgr. G. R. Callis, Jr., 55 Knickerbocker Bldg., archt.

Md., Highlandtown—(Baltimore P. O.)—Jones & Lamb Co., Pennsylvania and Fulton Aves., soon receives bids remodeling plant of Monumental Brewery Co. and constructing several rein.-con., steel and brick buildings, rein.-con. flooring and foundation, on Lombard St., same to be used as meat packing plant and oil refinery. C. C. Comstock, 110 West 40th St., New York City. engr. Noted Apr. 24.

Tenn., Memphis — Stratton-Warren Hardware Co., 134 East Calhoun St., soon receives bids building 4 story, 67 x 170 ft., brick warehouse, on Calhoun St. About $100,000. W. F. Schultz, Memphis, engr.

Ky., Louisville—Kentucky Wagon & Mfg. Co., 3rd and K Sts., plans to build 2 story, brick and steel plant. About $100,000.

O., Canton—Holland Bread Co., Toledo, having plans prepared by McCormick Co., archts. and engrs., Century Bldg., Pittsburgh, Pa., for 1 and 2 story, 120 x 209 ft., steel and brick bakery, concrete foundation, here. About $100,000. A. Wade, Holland, pres.

O., Cleveland—Jones Gear Co., Guardian Bldg., soon receives bids building 2 story, 30 x 100 ft. and 110 x 310 ft., rein.-con., steel and brick factory and office on Wayside Rd. About $130,000. G. A. Greible, 517 Sloan Bldg., archt. and engr.

O., Columbus—Columbus Tire & Rubber Co., Hayden Bldg., plans to build 1 story, 100 x 340 ft., factory on West Goodale St. About $92,000. Austin Constr. Co., East 152nd St., archts.

Mich., Cedar Bank—See "Buildings."

Mich., Detroit—A. Kahn, archt., Marquette Bldg., receives bids about June 20, building 6 story, 150 x 150 ft. rein.-con., brick and steel service station and sales department, rein.-con. flooring, concrete foundation, on York and Cass Aves., for Gen. Motors Corp., Boyer-Campbell Bldg., Cadillac Motor Car Co., lessee. Noted May 8.

Mich., Detroit—Natl. Biscuit Co., 42-56 Woodbridge St., having plans prepared for 10 story, 100 x 200 ft. plant on Forsyth Ave., to include bakery, offices, freight shed, loading platform and addition to garage.

Mich., Port Huron—C. H. Wills and J. R. Lee, Book Bldg., Detroit, have purchased tract of land, south of here, extending 3½ mi. along St. Clair River with depth of 1½ mi., and plan to build large motor car manufacturing plant.

Ill., Chicago—All Amer. Truck Co., 2952 West Chicago St., having plans prepared by S. N. Crowen, archt., 30 North La Salle St., for first unit of plant., rein.-con. and brick, on Grand Ave. and Natchez St. About $200,000. Ultimate cost, $1,500,000.

Ill., Chicago—J. B. Rohm & Son, archts., 138 North La Salle St., receive bids about July 1, building 2 and 6 story, brick and rein.-con. warehouse, rein.-con. flooring, concrete foundation, on Oak and Kingsbury Sts., for G. Rasmussen Co., 615 West Randolph St., to be leased to Natl. Tea Co. About $400,000. Noted May 22.

Ill., Quincy—Kespohl-Morenstecher Dry Goods Co., 4th and Main Sts., preparing plans for 2 story, 125 x 160 ft., brick and concrete warehouse and addition to store adjoining, rein.-con. flooring, rock foundation. About $70,000.

Wis., Milwaukee—Briggs-Stratton Co., Louis Ave., having plans prepared by H. J. Esser, archt., Camp Bldg., for 5 story, 60 x 170 ft. rein.-con. addition to factory, with 21 x 70 ft. wing About $500,000.

Wis., Milwaukee—H. Bryant, 412 Pereles Bldg., plans to build 2 story, 46 x 150 ft., rein.-con. and brick garage, at 146 8th St. About $50,000. C. Barkhausen, Iron Blk., archt.

Wis., Portage—Weinberg Shoe Co., Milwaukee, plans to build 2 story, 60 x 110 ft. brick, steel and rein.-con. factory, rein.-con. flooring, brick foundation, here. About $90,000. Architect not selected.

Wis., Sheboygan—City, c/o C. U. Boley, engr., City Hall, plans to build 1 story, 60 x 125 ft. brick and rein.-con. garage, rein.-con. flooring, brick foundation, on 9th St. A. Nack, City Hall, archt.

Wis., Sheboygan—Havana Amer. Cigar Co., c/o I. L. Stein, 319 North Wells St., Chicago, plans to build 2 and 3 story, 60 x 200 ft., brick, rein.-con. and steel factory on 13th St., here. About $80,000.

Wis., Sheboygan—Natl. Box & Novelty Co., 8th St., plans to build 4 story, 60 x 150 ft. brick, rein.-con. and steel factory, on 13th St. and Kentucky Ave. About $70,000. Architect or engineer not selected.

Wis., Sheboygan—North Star Rubber Co., c/o L. Hoffmeister, 176 16th St., Milwaukee, plans to build 2 story, 60 x 95 ft. brick, rein.-con. and steel factory on Michigan Ave. About $45,000.

Wis., Sheboygan—Sheboygan Cigar Box Lumber Mfg. Co., c/o J. Will, Sheboygan, plans to build 2 story, 50 x 80 ft., brick, rein.-con. and steel factory, brick foundation, on Martin Ave. About $70,000. Juul & Smith, Img Bldg., archts.

Minn., International Falls—City having plans prepared by W. Glenn, engr., Minneapolis, for hydrogen gas plant. About $75,000.

Kan., Wichita—A. J. Watson having plans prepared by H. A. Noble, engr., Reliance Bldg., Kansas City, Mo., for warehouse, here. About $100,000.

S. D., Madison—City voted $100,000 to build electric light and power plant.

Mo., St. Joseph—City voted $500,000 bonds to build extension to electric light plant. Noted Mar. 27

Mo., St. Louis—Barnett, Hayes & Barnett, archts., 949 Century Bldg., soon receives bids building 4 and 6 story, 119 x 120 ft., rein.-con., steel and brick factory, rein.-con. flooring, concrete foundation, on 7th and Washington Sts., for J. Smith Furniture Co., 919 North 7th St. About $300,000.

Industrial Works (Continued)

Mo., St. Louis—Bd. Pub. Serv. soon receives bids building one 120 x 200 ft. and one 200 x 400 ft. concrete warehouses, including 11 concrete freight platforms, cranes, etc. About $300,000. J. A. Hook, city engr.

Mo., St. Louis—Cornelius Mill Furnishing Co., 6th and Carr Sts., having plans prepared by C. F. May, archt. and engr., Laclede Bldg., for 2 story, 73 x 128 ft. factory. Cost to exceed $50,000.

Mo., St. Louis—United Drug Co., 63 Leon St., Boston, Mass., having plans prepared for 8 story factory on San Francisco Ave. and Kingshighway, here. About $2,000,000.

Tex., Dallas—Dallas Power & Light Co., Interurban Bldg., plans to build brick and steel sub-station, concrete flooring. About $250,000. J. H. Gill, engr.

Tex., Dallas—Guiberson Oil Well Specialty Corp., 418 South Boston St., Tulsa, Okla., plans to build 1 story, concrete, brick and steel factory, concrete and brick foundation, on Forrest and Pennsylvania Aves., here. About $1,000,000. Architect or engineer not selected.

Okla., Okmulgee—Oil Well Supply Co. having plans prepared and soon receives bids building 2 story, 50 x 75 ft. brick and steel warehouse, on Old Baseball Park and 3rd St. About $35,000. J. D. Lemer, Pittsburgh, Pa., engr.

Okla., Tulsa—Continental Supply Co., 507 North Boulder St., plans to build 3 story, 60 x 100 ft. warehouse. About $33,000. Architect not selected.

Wash., Orting—See "Buildings."

Ore., Pendleton—Collins Flour Mill, Pendleton, having plans prepared by Nordyke & Marmon Co., archt., 250 North Meridian St., Indianapolis, Ind., for 6 story, 50 x 100 ft. rein.-con. flour mill and 2 story warehouse, on East Webb St. R. M. Crommelin, Spokane, Wash., mgr.

Ore., Roseburg—Umpqua Valley Fruit Union plans to build 4 story, 50 x 180 ft. rein.-con. packing house and cold storage plant. R. C Wood, mgr. Architect not selected.

Ore., Salem—Oregon Pulp & Paper Co. soon receives bids building rein.-con. paper and sulphite pulp mill on Willamette River. About $1,000,000. C. E. Eaton, Sherman Bldg., Watertown, N. Y., engr.

Cal., Los Angeles—Bd. Pub. Serv. Comn., 645 South Olive St., voted $13,500,000 bonds; $2,500,000 to be used to build power plant No. 2 in San Francisquito Canton and power development in Owens River Gorge and $11,000,000 for purchasing distributing system owned by Southern California Edison Co. E. F. Scattergood, 645 South Olive St., engr. Noted May 29.

Cal., Orange—Foothill Growers, Inc., plans to build 1 story 200 x 200 ft. concrete and frame addition to packing house, concrete foundation. About $50,000.

Cal., Ventura—See "Buildings."

Ont., Port Colborne—Canada Cement Co., 273 Craig St. W., Montreal, Que., preparing plans for potash recovery plant, here. About $150,000.

BIDS DESIRED

Pa., Phila.—Snyder & Co., 17-19 North 10th St., receiving bids for 5 story, 31 x 104 ft., concrete, steel and brick warehouse. Peuchert & Wunder, 310 Chestnut St., archts. Noted Jan. 9

Pa., Reading—Until June 16, by Phila. & Reading Ry., Reading Terminal, Phila., building 1 story, 38 x 50 ft., rein.-con. and brick power house, here. A. E. Owen, Reading Terminal, Phila., engr.

Wis., Milwaukee—Until June 10, by R. H. Pinkley, engr., Pub. Serv. Bldg., building 2 story, 60 x 80 ft. brick, concrete and steel, sub-power station, for T. M. E. R. & L. Co., rein.-con. flooring, concrete foundation. About $40,000.

Que., Shawinegan Falls—Until July 1, by Town Council, building electric-light plant. About $35,000. B. S. Atkins, engr.

Ont., Hamilton—Until June 14, by F. W. Warren, archt., Bank of Hamilton Bldg., for concrete and steel factory for Natl. Paper Goods Co. Ltd., 144 Queen St. About $75,000.

Ont., Port Arthur—Until June 30, by M. H. MacLeod, vice pres., Canadian National Rys., 27 Wellington St., Toronto, building superstructure of grain elevator work house of 7,000,000 bu. capacity, with unloading shed and complete elevator equipment. C. D. Howe & Co., Whalen Bldg., consult. engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Boston Buick Co., 97 Masachusetts Ave., let contract building 2 story, 85 x 300 ft., rein.-con. and steel storage building and garage, rein.-con. flooring, concrete foundation, on Babcock and Commonwealth Aves., to Evatt Constr. Co., 161 Devonshire St.

★**Mass., Boston**—W. D. Young & Co., 10 Washington St., let contract building 5 story, 80 x 128 ft. rein.-con. warehouse and sales house, rein.-con. flooring, concrete foundation, on Babcock and Commonwealth Aves., to W. Bailey Co., 88 Broad St. About $225,000. Noted May 1.

★**Mass., Taunton**—Robertson Motor Car Co., School St., let contract building 3 story, 110 x 110 ft. rein.-con. auto service station, rein.-con. flooring, brick and concrete foundation, on Trescott St., to J. A. Glenn, 15 Trescott St. About $100,000.

★**R. I., Central Falls** (Pawtucket P. O.)—Pennsylvania Silk Mills, 4th Ave., New York City, let contract building brick and timber mill, on Mill St., to A. F. Smiley, Oak Hall Bldg., Pawtucket. About $125,000.

★**R. I., Pawtucket**—Lorraine Mfg. Co., Mineral Spring Ave., let contract building fireproof dyehouse and bleachery, rein.-con. flooring, concrete foundation, to O. D. Purington & Co., 624 Industrial Trust Bldg., Providence. About $400,000.

★**R. I., Providence**—Atlantic Mills, Equitable Bldg., Boston, let contract building 3 story, 46 x 98 ft. brick and steel power house, concrete foundation, on Manton Ave., to O. D. Purington & Co., 624 Industrial Trust Bldg. About $25,000.

★**Conn., New Britain**—Landers, Frary & Clark, Commercial and Center Sts., let contract building 1 story, 50 x 100 ft. brick and mill construction factory, rein.-con. flooring, concrete foundation, on Center St., to Ellison Constr. Co., 120 Wellington Ave., Hartford. Noted May 29.

★**Conn., New Britain**—Taplin Mfg. Co., 65 Arch St., let contract building 2 story, 50 x 90 ft. brick factory, concrete flooring, concrete foundation, to R. H. Hibbard Co., 140 Main St. About $30,000.

★**Conn., New Haven**—S. N. E. Telephone Co., 114 Court St., let contract building 3 story brick and steel storehouse, concrete foundation, on Liberty St., to D. G. Carmichael, 902 Chapel St. About $35,000.

★**Conn., Waterbury**—M. Joseloff, 17 Brown Pl., let contract constructing 3 story, 50 x 132 ft. fireproof warehouse and grocery building, rein.-con. flooring, concrete foundation, on South Leonard St., to Tracy Bros. Co., 52 Benedict St. About $75,000. Noted May 15.

★**N. Y., Amsterdam**—McCleary, Wallin & Crouse, 57 Lyon St., let contract constructing 3 story, 135 x 325 ft., main building, with two 2 story 50 x 60 ft. and 50 x 125 ft. additions, and 1 story 130 x 150 ft. picker house, mill constructions, rein.-con. flooring, concrete foundation, to J. W. Bishop Co., 11 Foster St., Worcester, Mass. About $500,000. Noted May 29.

★**N. Y., Brooklyn**—T. De Lisi and O. Sacchitti, 966 Atlantic Ave., will build 2 story, 60 x 100 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on Atlantic and Grand Aves. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Hills Bros., 375 Washington St., New York City, let contract building 6 story factory, with 36 x 40 ft. and 20 x 36 ft. wings, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Sedgwick St., to Turner Constr. Co., 244 Madison Ave., New York City.

★**N. Y., Brooklyn**—Montrose Garage, Inc., c/o H. Weinstein, archts., 32 Court St., will build 1 story, 75 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Franklin and Willoughby Aves. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Pathe Freres, Grand Ave., let contract building 7 story, 90 x 100 ft., brick, steel and rein.-con. addition to factory, rein.-con. flooring, concrete foundation, to White Fireproofing Constr. Co., 95 Madison Ave., New York City. Noted May 8.

N. Y., Buffalo—Wheat Ice Cream Co., 235 Elm St., received bids building 2 story, 92 x 150 ft. rein.-con. garage, rein.-con. flooring, concrete foundation, on Elm St., from Metz Bros., Fillmore Ave., $62,000; Eastern Concrete Steel Co., Morgan Bldg., $65,000; G. D. Wilson, Builders Exch., $66,000. Noted May 15.

★**N. Y., New York**—See "Buildings."

★**Pa., Altoona**—Altoona Baking Co., 200 Chestnut Ave., let steel contract for 2 story, 118 x 120 ft., steel and concrete bakery, on 9th Ave. and 28th St., to Jones & Laughlin, Ross St., Pittsburgh. Noted May 15.

★**Md., Sykesville**—Melville Woolen Co. let contract rebuilding concrete and steel mill, concrete foundation, to Consolidated Eng. Co., 243 Calvert Bldg., Baltimore. About $35,000.

★**Va., Danville**—Willingham & Co. let contract building 2 story, 81 x 192 ft., brick and timber plant, on Linn St., to T. C. Thompson, Charlotte, N. C. About $35,000.

★**Fla., Jacksonville**—Virginia Chemical Co., 11 South 12th St., Richmond, Va., let contract building 46 x 240 ft. factory, on Mills St., to Huggen Bros., Bell Bldg., Montgomery. About $250,000. Noted Mar. 27.

★**O., Cleveland**—Columbia Steel & Shafting Co., Engineer's Bldg., let contract building 1 story, 147 x 157 ft., rein.-con. steel and brick warehouse and office, rein.-con. flooring, at 1224 East 55th St., to Hunkin Conkey Co., 600 Century Bldg. About $100,000. Noted June 5.

★**Ind., Kokomo**—Haynes Automobile Co., 1108 South Main St., let contract building 4 story, 120 x 800 ft. plant, to M. J. Hoffman Constr. Co., Furniture Bldg., Evansville. About $450,000.

★**Mich., Detroit**—Maxwell Motor Co., Woodward and Warren Aves., let contract building 1 story, 101 x 157 ft., concrete and steel assembling plant, concrete flooring, concrete foundation, to Hazelton & Clark Co., Book Bldg. Noted May 29.

★**Mich., Highland Park** (Detroit P. O.)—Ford Motor Co. let contract building 4 story, 80 x 260 ft., rein.-con., brick and steel service station and garage, rein.-con. flooring, concrete foundation, on Woodward Ave., to Bryant & Detwiler, 2336 Dime Bank Bldg. Noted May 22.

★**Mich., Highland Park** (Detroit P. O.)—See "Buildings."

★**Ill., Chicago**—Columbian Bank Note Co., 1104 South Wabash Ave., let contract building 3 story, 75 x 125 ft., rein.-con. printing plant, rein.-con. flooring, concrete foundation, at 500-506 South Ashland Ave., to Schmidt Bros. Constr. Co., 105 North Clark St. About $75,000.

★**Ill., Chicago**—Granet & Rothschild, 322 West Jackson Blvd., let contract building 2 story, 50 x 120 ft., brick and timber factory, concrete foundation, at 2422 South Crawford Ave., to J. Rodatz, 209 South La Salle St. About $25,000.

★**Ill., Chicago**—W. Wrigley Jr. Co., 5 North Wabash Ave., let contract building 8 story, 80 x 343 ft., rein.-con. warehouse, rein.-con. flooring, concrete foundation, on Ashland Ave. and 36th St., to E. W. Sproul Co., 2001 West 39th St. About $600,000.

★**Wis., Ft. Atkinson**—Creamery Package Co., Ft. Atkinson Bldg., let contract building 5 story, 90 x 207 ft., rein.-con. and brick factory to Raulf Co., 428 Grand Ave., Milwaukee. About $200,000. Noted June 5.

★**Wis., Manitowoc**—Manitowoc Seed Co., 1009 Main St., let contract building 2 story, 60 x 150 ft., brick, steel and rein.-con. warehouse, concrete flooring, brick foundation, on 8th St., to Blake Constr. Co., 627 South River St., Appleton. About $40,000. Noted Apr. 3.

★**Wis., Manitowoc**—Tinsel Mfg. Co., 16th and Hamilton Sts., let contract building 2 story, 60 x 100 ft., brick, steel and rein.-con. factory, rein.-con. flooring, brick foundation, to E. R. Herman, Manitowoc. About $80,000.

★**Wis., Milwaukee**—Lincoln Motor Car Co., 820 3rd St., let contract building 2 story, 60 x 108 ft., rein.-con. and brick garage, rein.-con. flooring, concrete foundation, on 3rd and Clark Sts., to P. Riesen & Sons, 1018 Humboldt Ave. About $40,000. Noted June 5.

★**Wis., Sheboygan**—Columbia Shoe Co., c/o C. Wolf, 1525 North 10th St., let contract building 3 story, 70 x 110 ft. brick factory, brick foundation, on 10th St., to C. Ackerman Sons, Sheboygan. About $30,000. Noted May 29.

Industrial Works (Continued)

★**Wis., Sheboygan**—Wadham Oil Co., 350 Clinton St., Milwaukee, let contract building 2½ story, 60 x 92 ft., brick warehouse and filling station, rein.-con flooring, rock foundation, on 13th St. and Michigan Ave., here, to C. Zelle & Sons, 1220 Michigan Ave. Cost between $40,000 and $60,000. Noted May 29.

★**Wis., Sheboygan Falls** — Brickner Woolen Co., c/o A. Brickner, Sheboygan Falls, let contract building 2 story, 52 x 90 ft. brick, rein.-con. and steel factory, brick foundation, on Main St., to Siems, Helmers & Schaffner, 514 Germania Life Bldg., St. Paul, Minn. About $30,000.

★**Minn., Minneapolis**—Brin Glass Co., 610 1st St., N., let contract building 5 story warehouse at 604 Washington Ave., N., to H. N. Leighton Co., 127 South 10th St. About $100,000.

★**Mo., St. Louis**—St. Louis Mfg. Corp., 5401 Bulwer Ave., let contract building 1 story, 426 x 132 ft., brick and steel factory, at 5437-61 Natural Bridge Ave., to H. Haeseler Bldg. & Constr. Co., 621 Wainright Bldg., $406,731.

★**Mo., St. Louis**—Scullin Steel Co., 6700 Manchester St., will build steel rolling mill at 6700 Knox Ave. About $2,000,000. Work will be done by day labor.

★**Tex., Port Arthur**—Adams & Gorin let contract building 2 story, 100 x 140 ft., rein.-con. warehouse, to McDaniel & Hartford, Port Arthur. About $51,500.

★**Wash., Goldendale**—Leadbetter & Walters will build 1 story, 100 x 120 ft., brick warehouse. Work will be done by day labor.

★**Ore., Tillamook**—Ackley & Miller let contract building 1 story, 105 x 143 ft. concrete garage, to F. Heyd, Tillamook. Noted May 29.

★**Cal., Fresno**—San Joaquin Baking Co., San Benito and P Sts., let contract building 1 and 2 story, 145 x 280 and 12 x 168 ft., rein.-con. and brick bakery, rein.-con. flooring, concrete foundation, on Los Angeles and L Sts., to R. Pederson, 446 Clark St. Cost, including equipment, $250,000. Noted June 5.

★**Cal., Los Angeles**—G. H. Wadleigh let contract building 3 story, 70 x 170 ft., rein.-con., brick and hollow tile garage and machine shop, rein.-con. flooring, concrete foundation, to Leonardt & Peck, H. W. Hellman Bldg., $32,475. H. G. Haffer, 1026 Orange St., lessee.

★**Cal., Modesto**—M. F. Hewell let contract building 2 story, 125 x 140 ft., rein.-con. garage, including freight elevator, on 10th and G Sts., to E. Green, Modesto. About $50,000.

★**Cal., Santa Rosa**—Santa Rosa Shoe Mfg. Co. let contract building 2 story factory, to A. M. Hildebrand, Santa Rosa. About $25,000.

Buildings

PROPOSED WORK

Mass., Northampton — Church — Notre Dame Roman Catholic congregation, King St., plans to build brick and stone church. About $150,000. Architect not selected.

R. I., Pawtucket—Recreation—See "Industrial Works."

Conn., Groton—Housing—See "Industrial Works."

Conn., Manchester — Housing — Cheney Bros., Hartford Rd., plan to build 2 story workmen's houses on Park and Prospect Sts. About $100,000.

Conn., New Britain—Church—St. Marks Episcopal congregation, 21 Washington St., having preliminary plans prepared by Carrere & Hastings, archts., 52 Vanderbilt Ave., New York City, for 100 x 100 ft. brick and steel, brick foundation, on Washington St. About $100,000. Noted Apr. 24.

Conn., New Britain—School—Bd. Educ. plans to build auditorium and 20 room addition to North End School, on Bassett St. About $200,000. Architect not selected.

Conn., New Haven — Hospital—C. S. Palmer, archt., 191 Church St., receives bids about June 15, building 5 story, 100 x 140 ft., fireproof, rein.-con. flooring, concrete foundation, on Orchard St., for Grace Hospital Assn., 1418 Chapel St. About $300,000. Noted Feb. 27.

Conn., New London—Business—A. H. E. Furr, Alger St., plans to erect business building on Bank St. and Montauk Ave. About $50,000. Architect not selected.

Conn., New London—Theatre—H. R. Brewster, archt., 295 East 17th St., Brooklyn, receives bids about July 1, building 3 story, 70x165 ft., brick and concrete, rein.-con. flooring, concrete foundation, on Bank St., here, for W. T. Murphy, 143 Bank St. about $125,000. Noted Mar. 13.

Conn., Norwich — Hospital — Norwich Hospital for Insane receives bids about June 20, for 2 story, 200 x 200 ft. brick and rein.-con. psycopathic and tuberculosis ward building, rein.-con. flooring, concrete foundation, on Preston St. About $200,000. Cudworth & Thompson, Thayer Bldg., archts. Noted May 1.

Conn., Torrington—Club—St. Francis T. A. & B. Society, Spear St., plans to build 2 story clubhouse, to include gymnasium, bowling alleys, etc. About $60,000.

Conn., Waterbury — Bank — Waterbury Natl. Bank, 150 Bank St., receives bids about July 15, building brick and limestone, on Grand and Field Sts. About $100,000. C. Gilbert, 244 Madison Ave., New York City, archt.

N. Y., Brooklyn—Theatre—J. Manheimer, 1694 49th St., having plans prepared by Carlson & Wiseman, archts., 226 Henry St., for 3 story, 203 x 302 ft. brick, stone and steel, rock foundation, on Flatbush Ave. and Albemarle Rd. About $450,000. Noted Apr. 24.

N. Y., Brooklyn—Theatre—I. Miller, 1663 Union St., soon receives bids for 2 story, 100 x 140 ft. brick and steel, brick foundation, on St. Johns Pl. and Utica Ave. About $150,000. T. W. Short, 370 Macon St., archt. Noted May 15.

N. Y., Herkimer—Theatre—Griswold & Mason having plans prepared by E. A. Howard, Bastable Blk., Syracuse, for 60 x 135 ft. fireproof, (1200 seating capacity), on Main St. About $80,000. Address T. P. Griswold, Herkimer.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 1123 B'way., for 2 story, 100 x 145 ft. brick, steel and limestone, brick foundation, on Tratman Ave. west of Rowland St. About $200,000.

N. Y., New York—Hospital—New York Infirmary for Women and Children, 321 East 15th St., having plans prepared by Butler & Rodman, archts. and engrs., 56 West 45th St., for altering 7 story brick and steel hospital. About $72,000.

N. Y., New York—Office—Larimore & Co., 1 West 40th St., soon receives bids building 6 story, 34 x 100 ft. brick and steel, brick foundation, at 15-17 West 46th St. About $80,000. Zipkes, Wolff & Kudroff, 25 West 42nd St., archts. and engrs. Noted June 5.

N. Y., New York—Office—One Hundred and Ten William St. Corp. having plans prepared by F. H. Quinby, archt., 99 Nassau St., for 18 story brick and steel addition, on William and John Sts.

N. Y., New York—Store—Buckley-Newhall Co., 125th St. and 5th Ave., having plans prepared by J. B. Snooks Sons, archts. and engrs., 261 Bway, for 12-story, 100 x 125 ft. brick and steel, rock foundation, on 6th Ave. and 41st St.

N. Y., North Tonawanda—Gymnasium, etc.—Bd. Educ. having plans prepared and estimates made for 2 story gymnasium and drill hall. About $80,000.

N. Y., Rochester—Store—B. Forman, 46 Clinton Ave., S., plans to build 3 story, 34 x 125 ft. brick addition to present plant. About $60,000. Architect not selected.

N. Y., Rye—Club—J. E. Bowman, Hotel Biltmore, New York City, having plans prepared by Warren & Wetmore, archts. and engrs., 16 East 47th St., New York City, for brick, steel and rein.-con. club house, rock foundation, here. About $2,000,000.

N. Y., Utica—Hospital—Utica State Hospital, Marcy Division, had plans prepared for 3 story, 40 x 206 ft. building to be known as Acute Hospital, with 3 wings, 35 x 58 ft., cost $350,000; also 3 story, 41 x 320 ft. Chronic Hospital, with 3 wings, 41 x 83 ft., both brick and rein.-con., cost $400,000.

N. Y., Utica—Office, etc.—Langdon & Hughes Electric Co., 233 Elizabeth St., having plans prepared for 3 story, brick, office, storage and shop building, at 225-229 Elizabeth St. Cost between $60,000 and $70,000.

N. Y., Watertown—Hotel—Kamargo Hotel Corp. recently incorported, having plans prepared by Essenwein & Johnson, archts., Ellicott Sq., Buffalo, for hotel on Washington St. About $500,000. D. M. Anderson, Sherman Bldg.; F. A. Empsall, 122 Court St.; D. D. Kieff, Flower Bldg., dirs.

N. J., Hoboken—Office—Tietjen & Lang Dry Dock Co., 17th St., plans to build 3 story, concrete. About $100,000.

N. J., Jersey City—Jail—Bd. Freeholders Hudson Co. plans to build jail. About $200,000.

N. J., Jersey City—Mausoleum—Mutual Mausoleum Co. plans to build concrete, brick and marble, on Garfield Ave. About $300,000.

N. J., Kearney (Arlington P. O.)—Office—See "Industrial Works."

N. J., New Brunswick—Theatre—Victory Amusement Corp., New Brunswick, having plans prepared by J. H. Scheier, archt., 25 West 42nd St., New York City, for 100 x 100 ft., brick and steel, brick foundation, on Albany and Washington Sts. About $300,000.

N. J., Orange—Sanatorium—G. C. Bergen, purch. agt. Essex Co. (Newark), soon receives bids building concrete and steel sanatorium, here. About $569,000. G. Green, 27 Clinton St., Newark, archt.

N. J., Woodbury—Bank—C. P. Peddle, archt., 136 South 4th St., Philadelphia, soon receives bids building 1 story, 35 x 106 ft., concrete, for 1st Natl. Bank, here. About $125,000.

Pa., Allentown—Theatre and Office—Wilmer & Vincent Theatre Co., 1451 Bway., New York City, soon receives bids building 3 story, 116 x 116 and 58 x 90 ft., steel and brick. Hoffman & Henon, Finance Bldg., Phila., archts. Noted Feb. 27.

Pa., Altoona—Business Bldg.—A. Marincucci & Bros., 814 18th St., receives bids about June 30 building 2 story, 40 x 61 ft., brick and stone, on 9th Ave. and 16th St. About $50,000. F. A. Hersh and F. J. Shollar, Commerce Bldg., archts.

Pa., Altoona—Schools—Bd. Educ. Logan Twp., soon lets contract building three 2 story, 42 x 62 ft. brick and stone schools at Garden Heights, South Altoona, and Greenwood; also 2 story, 21 x 30 ft. addition to Pleasant Valley School. Total cost, $55,000. Separate bids will be asked for each school. F. A. Hersh and F. J. Shollar, Commerce Bldg., archts.

Pa., Johnstown—Bank—United States Natl. Bank purchased 60 x 231 ft. site on Franklin St. and plans to build, brick, stone and steel. Architect not selected. G. M. Kline, W. G. Hager and others, dirs.

Pa., Phila.—Synagogue—Beth Shalom congregation, 224 Market St., having plans prepared by Fieldstein & Roth, archts., 1328 Chestnut St., for 3 story, 100 x 125 ft. concrete and brick. About $100,000.

Md., Baltimore—Parish House and Manse—Forest Park Presbyterian congregation, 3714 Springdale Ave., plans to build 2 story, 40 x 75 ft., rein.-con., stone and brick, concrete and rock foundation, on Dalrymple and Garrisen Aves. About $50,000. J. E. Finney, pastor, J. E. Lafferty, Roslyn St. near Beach Ave., archt.

Md., Tracys Landing—School—Bd. Educ. Anne Arundel Co., Annapolis, having revised plans prepared by H. P. Hopkins, archt., 211 Union Trust Bldg., Baltimore, for 2 story, brick, stone foundation. About $50,000. Former bids rejected. Noted May 29.

W. Va., Martinsburg—Hospital—City plans to build 4 story addition to hospital.

W. Va., Welch—Municipal—City Comrs. plan election soon to vote on $60,000 bonds to build 3 story municipal building, to house city officials and Fire Dept.

Fla., Jacksonville—School—Duval Co. election June 24, to vote on $150,000 bonds to build school.

Ala., Birmingham—Memorial Auditorium—Committees being organized and campaign will be started to raise $1,000,000 to build memorial auditorium. M. W. Bush, c/o Chamber of Commerce, chn.

Ia., Sac City—School—Bd. Educ. having plans prepared by Ashby, Ashby & Schultz, archts., 178 West Jackson Blk., Chicago, for 2 story, 85 x 150 ft., brick and timber, rein.-con. flooring, concrete foundation. About $100,000.

Buildings (Continued)

O., Cleveland — Commercial — K. V. Painter, Cuyahoga Bldg., plans to build 10 story, 135 x 360 ft., rein.-con., steel and brick, on East 17th St. and Euclid Ave. About $300,000. Architect not selected.

O., Cleveland—Hotel—Euclid Prospect Corp., c/o Van Aken & Strock, 6525 Euclid Ave., plans to build 12 story, 377 x 400 ft., rein.-con., steel and brick, concrete foundation, at 2432 Euclid Ave. About $4,000,000. Warren & Wetmore, 16 East 47th St., New York City, archts.

O., Cleveland—Memorial—City of Cleveland Memorial Assn., c/o M. Bernstein, 1442 East 105th St., having preliminary prepared by W. S. Lougee, archt., Marshall Bldg., for 4 story, 66 x 346 ft., rein.-con., steel and brick, on Lakeside and Ontario Aves. About $300,000. Noted Feb. 20.

O., Columbus—Store—Union Clothing Co., Long and High Sts., plans to raze present structure and build 6 story, 62 x 87 ft., on West Long St. About $160,000. Architect not selected.

O., Dayton—Bank and Office—Winters Natl. Bank, 2nd and Main St., plans to build 5 story, 72 x 80 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation. About $250,000. W. B. Phillips, c/o F. H. Smith, engr., 120 Bway., New York City, archt.

O., Springfield—Theatre—G. Sun, Main and Limestone Sts., soon receives bids building 2 story, rein.-con. and brick, rein.-con. flooring, concrete foundation, on Limestone St. About $75,000. W. F. Miller, Kelly Bldg., archt.

O., Youngstown — Church — St. Lukes Lutheran congregation plans to build 50 x 87 ft., on West Evergreen St. and Oak Hill. About $90,000. Architect not selected.

Ind., Terre Haute—School—Bd. Educ. plans to build school. About $150,000.

Mich., Alpena—Armory—A. Gould, archt., Empire Bldg., Detroit, receives bids about June 20, building 1 story, 118 x 180 ft., rein.-con., brick and steel, concrete foundation for City. Noted May 22.

Mich., Cedar Bank—School—State Bd. Control, Lansing, purchased 125 acre site here and plans to build training school for women. Plans include 3 story administration building, 3 dormitories, each 38 x 179 ft. with wing, 38 x 74 ft., central heating plant and chapel, all fireproof construction. Cost will exceed $500,000.

Mich., Detroit—Hall—Church of the Annunciation, c/o W. P. Bradley, chn., 419 Bewick Ave., plans to build memorial hall and gymnasium on Parkview and Jefferson Aves. About $50,000.

Mich., Detroit—Home—A. Kahn, archt., Marquette Bldg., receives bids about June 14, building 6 story, 114 x 147 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at Harper Hospital, on John R St. About $300,000.

Mich., Detroit—Hotel—W. S. Barr, c/o Baxter, Odell & Halpin, archts., 1024 Hammond Bldg., having plans prepared for 4 story, brick, on Henry St. between Cass Ave. and 2nd St. About $125,000.

Mich., Detroit—School—Bd. Educ. soon lets contract building 2 story, 65 x 180 ft., rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation, on Indiandale Ave. and 12th St. Malcolmson & Higginbotham, 404 Moffat Bldg., archts.

Mich., Highland Park (Detroit P. O.)—Hall—Village plans to build hall. About $700,000. F. Caldwell, 20 Gerald Ave., comr.

Ill., Chicago—Hotel—Ritz Hotel, c/o W. W. Ahlschlager, archt., 111 West Washington St., having plans prepared for 10 story, 100 x 150 ft. rein.-con., rein.-con. flooring, concrete foundation, on Kenmore and Granville Sts. About $1,000,000.

Ill., Chicago Heights—Club—P. Gerhardt, archt., 64 West Randolph St., receives bids about July 15, building 6 story, 100 x 142 ft., brick and rein.-con., rein.-con. flooring, concrete foundation, on Illinois and Oak Sts., for Chicago Heights Country Club. About $300,000.

Ill., East Moline—Rectory—Holy Name Church having plans prepared by H. Dox, archt., 301 Apollo Bldg., Peoria, for brick rectory, on 6th St. and 17th Ave. About $50,000.

Ill., Quincy—Hospital—Blessing Hospital Assn., Spring and 10th Sts., plans to build 4 story, 160 x 250 ft. brick and rein.-con. addition and 2 story, brick, sun and sleeping porches, rock foundation. About $200,000.

Ill., Quincy — Store — See "Industrial Works."

Wis., Beloit — Church — Our Savior's Lutheran congregation plans to build church. About $50,000.

Wis., Beloit—Schools—East Side School Dist. voted to issue $245,000 bonds to build intermediate school on Lawrence Ave., cost $160,000; other in Perrigo addition, $85,000.

Wis., Eau Claire—School—Bd. Educ. had plans prepared by C. Volkman, archt., 106½ Grand Ave. E., for 67 x 165 ft. brick, rein.-con. and stone school, for 10th Ward. Cost between $85,000 and $90,000.

Wis., Fond du Lac—Club—Loyal Order of Moose plans to build club in Central Park. About $50,000.

Wis., Ft. Atkinson—Church—St. Peters Episcopal congregation having sketches made by Schuchard & Judell, archts., 425 East Water St., Milwaukee, for brick and stone, concrete foundation. About $60,000. R. W. Mason, rector.

Wis., Green Bay—Home—Mc Cormick Memorial Home soon receives bids building 2 story, 46 x 115 ft. concrete and brick, concrete foundation, on Allonez St. About $50,000. Foeller & Scholeer, 123 North Washington St., archts. Noted Apr. 17.

Wis., Milwaukee—Bank—Natl. Exch. Bank, Bway. and Michigan Ave., having preliminary sketches made by Van Ryn & De Gelleke, archts., Caswell Blk., for 4 story, brick, steel and stone, concrete foundation, at 387 East Water St. About $500,000.

Wis., Milwaukee—Hall—Garfield Lodge No. 309 F. & A. M., c/o W. E. Haefner, 933 Orchard St., plans to build 2 story, 80 x 125 ft. rein.con. and brick on 27th and Center Sts. About $50,000. Architect or engineer not selected.

Wis., Milwaukee—Store—I. Goldman plans to build 4 story, 120 x 140 ft. on 4th Ave. and Mitchell St. About $185,000.

Wis., Milwaukee—Theatre—Gayety Theatre, 143 2nd St., having plans prepared for remodeling theatre. About $65,000 C. Fox, mgr. Kirchoff & Rose, Majestic Bldg., archts.

Wis., Sullivan—School—Bd. Educ. plans to build 2 story, 50 x 95 ft. brick and rein.-con., brick foundation, on Main St. About $55,000. Architect not selected.

Minn., Balaton—School—Bd. Educ. soon receives bids building rein.-con. and brick, rein.-con. flooring, brick and rock foundation. About $75,000. H. W. Parsons, 600 Builders' Exch., Minneapolis, archt. and engr. Noted May 1.

Minn., Cass Lake—High School—School Dist. voted $70,000 bonds to build high school. D. V. Wardner, clk.

Minn., Duluth—School and Auditorium Sacred Heart Church plans to build 2 story, 80 x 140 ft., rein.-con. and steel, rein.-con. flooring, concrete foundation, on 4th St. and 27th Ave., E. About $120,000. Holstead & Sullivan, Palladio Bldg., archts. and engrs.

Minn., Ely—School—Bd. Educ. soon receives bids building rein.-con. and brick industrial school, rein.-con. flooring, brick foundation. About $80,000. H. W. Parsons, 600 Builders' Exch., Minneapolis, archt. and engr.

Minn., Glen Lake (Hopkins P. O.)—Hospital—Sund & Dunham, archts., 514 Essex Bldg., Minneapolis, receives bids about June 21, building 1½ story, 125 x 135 ft., rein.-con. and brick, here, for Hennepin Co. About $50,000.

Minn., Hibbing—Club—Lodge No. 1022, B. P. O. E., plans to build 3 story, 50 x 120 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Howard St. and 5th Ave. About $75,000. E. W. Coons, chn.

Minn., Ivanhoe—Courthouse—J. T. Wilson, aud. Lincoln Co., soon receives bids building rein.-con. and brick, rein.-con. flooring, brick foundation. Cost between $110,000 and $270,000. H. W. Parsons, 600 Builders' Exch., Minneapolis, archt. and engr.

Minn., Minneapolis—Bank—Federal Reserve Bank, New York Life Bldg., purchased site on Marquette Ave. and 6th St., and plans to build bank. About $[illegible],000. Architect not selected.

Minn., Minneapolis—Office—Chamber of Commerce, 4th Ave. and 3rd St., having plans prepared by Bertrand & Chamberlain, archts. and engrs., 616 North West Bank Bldg., for 12 story, 130 x [illegible] ft., rein.-con. About $810,000.

Minn., Nashwauk—School—Bd. Educ. having revised plans prepared by Tyrie & Chapman, archts., 320 Auditorium Bldg., Minneapolis, for grade and high school here. About $300,000.

Minn., Winona—Dormitory—State Bd. Control, St. Paul, soon lets contract building 3 story, 46 x 130 ft., rein.-con. and brick dormitory here for women. About $100,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt. and engr.

S. D., Aberdeen — Theatre — McCarthy Theatre Co., Watertown, purchased site here and plans to build theatre. About $100,000.

S. D., Brookings—High School—Bd. Educ. plans to build 2 story, 152 x 176 ft. brick and rein.-con. About $200,000. Tyrie & Chapman, 320 Auditorium Bldg., Minneapolis, Minn., archts.

S. D., Ipswich—School—City voted $85,000 bonds to build school. E. M. Paul, clk.

N. D., Fargo—Seminary—Oak Grove Seminary plans to build seminary. About $65,000. T. T. Fjelstad, Cooperstown, secy.

N. D., Milton—High School—Bd. Educ. soon lets contract building 2 story, 70 x 110 ft., brick and rein.-con. About $50,000. J. Brecke, pres.

N. D., Nekoma—High School—Bd. Educ. soon lets contract building 2 story, 70 x 110 ft. brick and rein.-con. About $50,000. A. B. Flou, pres.

N. D., New England—Church and School—St. Mary's Church plans to build. About $50,000. N. Ressler, Mandan, archt.

Mont., Miles City—Courthouse—Custer Co. election Sept. 2, to vote on $190,000 bonds to build courthouse. J. H. Bohling, Jr., co. clk.

Mo., St. Joseph—City Hall—City voted $450,000 bonds to build city hall. Noted May 1.

Mo., St. Joseph — Hospital — City voted $100,000 bonds to build hospital for contageous diseases. Noted May 1.

Mo., St. Louis—Church—Trinity Methodist Episcopal congregation plans to build on 13th and Tyler Sts. Cost to exceed $50,000. T. E. Green, pastor.

Mo., St. Louis—Mercantile—May Department Stores Co., 6th and Locust Sts., plans to build 7 story, at 615 Locust St. Cost to exceed $100,000. C. F. Laffer, c/o Famous-Barr Co., 6th and Locust Sts., supt.

Mo., St. Louis—Office—Leonard & Locust Investment Co., c/o S. Hamburg, pres., 2407 North Bway., plans to build 65 x 125 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, at 1117-21 Pine St. Cost to exceed $100,000. Architect not selected.

Mo., St. Louis—Theatre—Pantages Vaudeville Circuit, c/o A. Pantages, pres., 36th North and Madison Sts., Seattle, plans to build on 6th St. here. About $500,000. Architect not selected.

Tex., Dallas—Lodge—Dallas Lodge No. 44, I. O. O. F., plans to build 6 story, rein.-con., on Pearl and Cabell Sts. About $250,000.

Tex., Hallettsville—School—City voted $65,000 bonds to build school.

Tex., Rockdale—School—School Bd. having plans prepared by A. B. Ayres, archt., Bedell Bldg., San Antonio, for school. About $75,000.

Tex., San Antonio—School—City voted to issue $250,000 bonds to build additional schools.

Okla., Idabell—Courthouse and Jail—Comrs. McCurtain Co. soon let contract building courthouse and jail. Bonds for $125,000 voted for project. Noted Mar. 20.

Okla., Sand Springs—City Hall—City plans to build 2 story, 46 x 100 ft. brick and stone, brick and concrete foundation, on Bway. and McKinley St. About $50,000. Architect not selected.

Buildings. (Continued)

Okla., Tulsa — Gymnasium — Trustees Henry Kendall College, Cleland and 7th Sts., having revised plans prepared for brick and stone gymnasium. C. E. Buchner, chn.

Okla., Tulsa—Store—R. N. McFarlin 1610 South Carson St., plans to build 5 story, 100 x 100 ft., on 4th and Main Sts. About $500,000. W. H. Reynolds, 416 West 2nd St., agt. Architect not selected.

Okla., Tulsa—Temple—Shrine and Masonic Bldg. Assn., 20 Main St., between 6th and 7th Sts., plans to build 3 story, 175 x 240 ft., stone, on Boston and 7th Sts. About $500,000. G. Winkler, 414 Palace Bldg., archt.

Colo., Del Norte—High School—Town having plans prepared by Montjoy, French & Frewen, archts., Chamber Commerce Bldg., Denver, building high school. About $75,000.

Colo., Loveland—Bank—Loveland Natl. Bank, 141 East 4th St., having plans prepared building bank. About $100,000. V. C. Vorreiter, pres.

Colo., Monte Vista—School—Town plans to build school. About $100,000. Montjoy, French & Frewen, Chamber Commerce Bldg., Denver, archts.

Colo., Walsenburg—School—Huerfano Co. plans to build school. Cost between $90,000 and $100,000. Montjoy, French & Frewen, Chamber Commerce Bldg., Denver, archts.

Idaho, Boise—Tourtellote & Hummel, archts., Overland Bldg., receive bids about July 25, constructing 4 story, 100 x 122 ft. brick or sand stone building concrete foundation, for Y. M. C. A. About $125,000. Noted May 15.

Idaho, Boise—State Legislature—W. J. Hall, comr. pub. wks., receives bids about July 25, building two 5 story, 80 x 120 ft., fireproof wings to capitol, on Jefferson St. About $900,000. Tourtellotte & Hummel, Overland Bldg., archts. Noted May 2.

Idaho, Nampa—Bank—Tourtellote & Hummell, archts., Overland Bldg., Boise, receive bids about June 15 building 1½ story, 85 x 115 ft., stone and terra cotta, concrete foundation, for Farmers and Merchants Natl. Bank. About $85,000. Noted May 15

Ariz., Phoenix—Hotel—H. Bird and R. M. Monagham, Jefferson Hotel, plan to build 6 story, 150 x 150 ft. addition on Jefferson St

Wash., Bellingham — Church — First Christian congregation plans to build 3 story, 100 x 150 ft., brick, on Dock St. About $60,000. Architect not selected.

Wash., Chehalis—Gymnasium and Industrial Shop—State Bd. Control, Olympia, having plans prepared by J. Zittel, archt., Jameison Bldg., Spokane, building gymnasium and industrial shop at Boys' Training School, here. About $60,000.

Wash., Orting—Barracks, etc. — State Bd. Control, Olympia, having plans prepared by J. Zittel, archt., Jameison Bldg., Spokane, building barracks and warehouse on state grounds, for Soldiers' Home. About $85,000.

Wash., Seattle—Temple—Central Labor Council plans to build labor temple. About $1,500,000. Architect not selected.

Wash., Spokane—Home—Northwest Mission Conference of Swedish Evangelical Church having plans prepared by J. A. Creutzer, archt., Leary Bldg., Seattle, for 3 story, in Pasadena Park. About $100,000.

Wash., Tacoma—Hotel—Linnard Hotel Syndicate, c/o C. E. Moore, representative, 919 South M St., having plans prepared by K. K. Cutter, archt., Eiler Bldg., Spokane, for fireproof hotel. Cost, including furnishings, $1,500,000.

Cal., Claremont — Dormitory — Pomona College plans to build 4 dormitories for girls on campus, here. About $50,000. Architect not selected.

Cal., Hermosa Beach—School—School Trustees voted $60,000 bonds to build 4 room gymnasium and auditorium addition to school on Pier Ave. Architect not selected.

Cal., Long Beach—Y. M. C. A. having plans prepared by E. L. Mayberry, 468 Pacific Electric Bldg., Los Angeles, and W. H. Austin, 222 1st Natl. Bank Bldg., associate archts., for 6 story brick building on 7th St. and Amer. Ave., here. About $150,000. Noted May 15.

Cal., Los Angeles — Administration — University of Southern California, College of Liberal Arts Bldg., 35th and University Sts., having plans prepared by J. Parkinson, archt., 420 Title Insurance Bldg., for 3 story, 160 x 256 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on University Ave., to contain offices and chapel to seat 2000. This is first of group of 4 or 5 buildings to be erected to cost about $3,000,000.

Cal., Los Angeles—High School—Fowler Union High School Dist. having plans prepared by Allison & Allison, archts., 1405 Hibernian Bldg., for high school to include administration, domestic and manual training, gymnasium and auditorium buildings, rein.-con. flooring, concrete foundation. About $150,000.

Cal., Reedley—Bank—Reedley Natl. Bank having plans prepared by E. J. Kump, archt., 227 Rowell Bldg., Fresno, for 1 story 60 x 150 ft., rein.-con. and terra cotta, concrete foundation. About $70,000 including fixtures.

Cal., Sacramento—Hospital—Sisters Hospital, 23rd and R Sts., purchased 6 acre site on 40th St. near H St., and plans to build hospital. About $200,000. Architect not selected.

Cal., San Bernadino—Schools—City election in June to vote on $250,000 bonds to build three 10 room, one 8 room and two 6 room schools. W. C. Seccombe, pres. bd. educ.

Cal., Santa Monica—Hotel—Santa Monica Beach Assn. having preliminary plans prepared by M. Hunt, archt., Hibernian Bldg., Los Angeles, for 10 and 12 story, 500 x 1200 ft., on ocean front, here. About $1,500,000. Address J. B. Lankershim, Lankershim Bldg., Los Angeles.

Cal., Santa Monica—Schools—Bd. Educ. voted $75,000 bonds to build 6 room addition to Washington School and 4 room addition to John Adams School and for purchase of additional grounds; also $30,000 for Greek Theatre at high school. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, archts. Noted May 8.

Cal., Santa Rosa—Schools—City having plans prepared by W. H. Weeks, archt., 75 Post St., San Francisco, for grammar school and combination high school and memorial hall, concrete and brick. About $250,000. Bonds will be voted for project.

Cal., South Pasadena — Schools — City election June 20 to vote on $275,000 bonds to purchase sites and build 15 room intermediate school, cost, $75,000 and 1 on El Centro St., $60,000. G. W. Lawyer, school trustee.

Cal., Vallejo—Theatre—Bell Amusement Co. having plans prepared by B. J. Joseph, archt., Call-Post Bldg., San Francisco, for 1 story, rein.-con. About $60,000.

Cal., Ventura—Hospital—Bd. Supervs. Ventura Co. having plans prepared by A. C. Martin, archt., 430 Higgins Bldg., Los Angeles, for 2 story hospital, here, to include service and power house, nurses' home, residence building and 4 cottages, rein.-con. and hollow tile, rein.-con. flooring, concrete foundation. Cost between $150,000 and $200,000. Noted Jan. 23.

Que., Montreal—Church—St. Cyprians Angelican congregation plans to build. About $100,000. Architect not selected.

Ont., Alexandria—Hospital—A. Chisolm soon lets contract building hospital, chapel and monastery. About $75,000. Kenneth & Rea, Beaver Hall Hill, Montreal, Que., archts. Noted June 5.

Ont., Espanola—School—Separate School Bd. soon lets contract building brick with 8 room capacity. About $60,000. C. F. Burden, Massey, archt.

Ont., Hamilton—Club—Masonic Lodge plans to build brick and stone club. About $250,000. F. J. Howell, 136 Charles St., chn. Architect not selected.

Ont., Hamilton—School—Separate School Bd. plans to build 3 story, brick and steel, concrete foundation. About $75,000. P. J. Maloney, 56 Mulberry St., secy.

Ont., Niagara Falls — School — High School Bd. plans to build brick technical school. About $100,000. Adress J. Muir, 85 Ellis St. Architect not selected.

Ont., Pembroke—Theatre—Ottawa Valley Amusement Co., Altmonte, having plans prepared by Richards & Abra, archts., 127 Sparks St., Ottawa, building brick, here. About $50,000.

Ont., Sarnia—Institute—High School Bd. having plans prepared by S. B. Coon & Son, archts., Excelsior Life Bldg., Toronto, for brick collegiate institute with 18 rooms. About $350,000. Noted Apr. 24.

Ont., Sarnia—Theatre—United Theatres, Ltd., had plans prepared for 2 story, brick, steel and rein.-con., rein.-con. flooring, concrete foundation, on Victoria St. About $75,000. J. Myers, engr.

BIDS DESIRED

N. Y., Middletown—Hospital—Until July 1, by State Hospital Comn., Capitol, Albany, building 40 x 320 ft. chronic hospital with 3 wings, brick super-structure, concrete foundation for Middletown State Hospital here. About $400,000. L. F. Pilcher, Albany, state archt.; advertised in this issue. Noted June 5.

N. Y., New York—Store, Lofts, Etc.—Until June 20, by Maynicke & Franke, archts., 25 East 26th St., for 15-story, 50 x 85 ft. brick and steel, rock foundation, at 119 West 41st St., for R. Wurlitzer & Co., 113 West 40th St. About $600,000. Noted Apr. 3 under "Langdon Co."

N. Y., Ossining—Hall, etc.—Until June 24, (change of date), by C. F. Rattigan, supt. state prisons, Hall Records Bldg., New York City, building mess hall and kitchen No. 4, detention No. 5, outside cell No. 7, clinic No. 8, pump house, reservoir, also for sanitary heating and electric work on same. L. F. Pilcher, Capitol, Albany, state archt.; advertised in this issue. Noted May 22.

N. J., Camden—Schools—Until June 23, by Bd. Educ., building 4 story, 80 x 168 ft. in Yorkship Village, and 2 story, 126 x 172 ft. here, both brick. P. A. Davis, 1713 Sansom St., Phila., archt.

N. J., Jersey City—Schools—Until June 17, by Bd. Educ., building School No. 23. About $100,000. J. T. Rowland, Jr., 100 Sip Ave., archt Noted May 8.

N. J., Newark—School—Until June 17, by Bd. Educ., building 4 story, 163 x 223 ft., rein.-con. and steel vocational school, on Sussex Ave. About $500,000. J. H. & W. C. Ely, Fireman's Bldg., archts. and engrs.

N. J., Trenton — Psychopathic — Until June 25, by Dept. of Architecture, 142 West State St., building 4 story, 45 x 93 ft., concrete and stone, at State Hospital for Insane. About $350,000. F. H. Bent, Bound Brook, archt.

N. J., Verona (Montclair P. O.)—Hospital—Until June 23, by J. M. Bergen, purch. agt. Essex Co., (Newark), constructing hospital, main building to be 3 story, with four 1 story, one 1 story and one 3 story outer pavilions, concrete and steel. About $590,000. J. Green, 27 Clinton St., Newark, archt.

Pa., Bethlehem — High School — Until July 14, by H. J. Judd, supt. school dist., building 4 story, 200 x 300 ft., rein.-con. and steel. About $800,000. V. T. Ritter, North Amer. Bldg., Philadelphia, archt.

Pa., West Bethlehem (Bethlehem P. O.)—School—Until July 14, by H. J. Judd, supt. school dist., building 2 story, 150 x 150 ft., brick and rein.-con. About $200,000. V. T. Ritter, North Amer. Bldg., Philadelphia, archt.

S. C., Clinton—Dormitories—Until June 20, by Bd. Regents, State Hospital for Insane, Columbia, building two 1 and 2 story rein.-con. and brick dormitories, rein.-con. flooring, brick foundation for School for Feeble-Minded, ½ mi. from here. About $50,000. R. G. Scarborough, chm. G. E. Lafaye, 1003 Loan & Exch. Bank Bldg., Columbia, archt.

O., Akron—Theatre and Store—Friedman Bros., Medford Bldg., receiving bids building 1 and 2 story, 50x120 ft., rein.-con., steel and brick, rein.-con. flooring concrete foundation, on East Market St. and Irene Ave. About $50,000. Fichter & Brooker, 606 Metropolitan Bldg., archts.

O., Columbus—Chemistry—Until June 16, by Bd. Trustees of Ohio State University, building 1 story, 140 x 205 ft. chemistry, factory construction, rein.-con. flooring, concrete foundation, on campus. About $85,000. J. N. Bradford, c/o Ohio State University, archt.

O., Columbus—Club—Until June 16, by Bd. Trustees of Ohio State University, building 3 story, brick, with two 50 x 130 ft. wings, rein.-con. flooring, on campus. About $240,000. J. N. Bradford, c/o Ohio State University, archt.

Buildings (Continued)

Ill., Chicago—Library and Office—Until June 16, by Holabird & Roche, archts., 104 South Michigan Ave., building 14 story, 128x135 ft., steel, concrete foundation, on Randolph St. and Michigan Blvd., for John Crerar Library, Marshall Field Bldg. About $1,500,000. Noted May 22.

Ill., Chicago—School—Until June 19, by Bd. Educ., 5 South Dearborn St., building 3 story, 169 x 263 ft. (irregular) brick and steel, rein.-con. flooring, concrete foundation, on West 18th St. and South Keeler Ave. About $650,000. A. F. Hussander, c/o owner, archt.

Wis., Two Rivers—Until June 25, by Bd. Educ., c/o W. T. Darling, supt., building 3 story, 80 x 155 ft. brick and rein.-con., rock foundation, on Main St. About $125,000. J. D. Chubb, 109 Dearborn St., Chicago, archt.

Ia., Britt—High School—Until June 17 (change of date) by Bd. Educ., building 2 story, 104 x 242 ft., rein.-con. and brick, brick foundation. About $175,000. G. Lockhart, 391 Endicott Bldg., St. Paul, archt. Noted May 22.

Minn., Bemidji—Dormitory—Until July 1, by State Bd. Control, St. Paul, building 2 story, rein.-con. and brick dormitory for girls at Normal School here. About $100,000. C. H. Johnston, 715 Capital Bank Bldg., St Paul, archt.

Minn., Duluth—School—Until June 23, by C. A. Bronson, clk. bd. educ., building 2 story, 60 x 100 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Bayview Heights. About $60,000. Croft & Boerner, Lonsdale Bldg., archts. and engrs. Noted Mar. 13.

Minn., Duluth—Grade School—Until June 23, by C. A. Bronson, clk. bd. educ., building 1 story, 115 x 260 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Minnesota Ave. About $100,000. Croft & Boerner, Lonsdale Bldg., archts. and engrs. Noted Feb. 13.

Minn., International Falls—School—Until June 15, by Independent School Dist. No. 4, Koochiching Co., building two 1 story, 22 x 40 and 24 x 34 ft., fireproof schools. About $50,000. W. P. Allred, Jr., Fergusson Bldg., Duluth, archt.

Minn., Moose Lake—School—Until June 16 (change of date), by C. F. Mahnke, clk. bd. educ., building 2 story, 62 x 90 ft. About $50,000. F. A. Schweiger, Moose Lake, archt. Noted May 22.

Minn., Russell—School—Until June 27, by Bd. Educ., building 2 story, 60 x 75 ft., rein.-con. About $50,000. K. T. Snyder, 933 Plymouth Bldg., Minneapolis, engr.

Minn., Villard—Store—Until June 14, by P. G. Peterson, building 1 story, 26 x 80 ft. About $52,000.

Minn., Willmar—Cottages—Until June 17 (change of date), by State Bd. Control, 715 Capital Bank Bldg., St. Paul, building 2 rein.-con. and brick cottages at State Asylum here. About $110,000. Noted May 15.

Minn., Willmar—Service Hall, etc.—Until July 15 (change of date), by State Bd. Control, 715 Capital Bank Bldg., St. Paul, building 2 story, 45 x 120 ft., rein.-con. and brick, at State Asylum here. About $85,000. Noted May 15.

Kan., McPherson—Hospital—Until June 24, by McPherson Co., building 3 story, brick, rein.-con. flooring. About $115,000. H. A. Noble, Reliance Bldg., Kansas City, Mo., engr. Mann & Gerow, Hutchinson, archts. Noted Mar. 13.

Kan., Sabetha—Memorial Hall—Until June 17, by city, building 2 story, 75 x 130 ft., rein.-con., stone and brick, rein.-con. flooring, rock foundation. About $50,000. T. W. Williamson & Co., 418 Central Natl. Bank Bldg., Topeka, archts.

Neb., Omaha—Church—W. J. Borer, pastor Roman Catholic Church is receiving bids for 1 and 2 story brick church and rectory on 32nd and Francis Sts. About $75,000. J. M. Nachtigal, Paxton Blk., archt.

Neb., Omaha—Medical—W. P. Wherry, pres. Douglas Co. Medical Assn., is receiving bids for 15 story, 88 x 132 ft. steel, brick, stone and terra cotta, on 11th and Dodge Sts. About $2,000,000. J. A. McDonald, 905 Omaha Natl. Bank Bldg., archt.

SEWERS—NEWARK, N. J.

Bids were received by Passaic Valley Sewerage Commissioners, May 20, for constructing intercepting sewerage system, part of Sect. No. 19, (1) Lodi St. River Crossing, (2) Wallington River Crossing, from (A) Henry E. Fox Constr. Co., 81 East 125th St., New York City; (B) Franco-American Constr. Co., Inc., 150 Nassau St.; (C) Cinedella & Co., 136 Bloomfield Ave., Passaic. The unit bids were as follows:

	A	B	C
Earth excavation, dredging and refilling, in trench and open excavation, for 42-in. C. I. pipe line crossing Passaic River, etc. (lump sum)	$60,400.00	$69,000.00	$42,500.00
Laying 42-in. C. I. pipe line across Passaic River, furnishing of joint materials, making, testing and tightening of pipe joints, etc. (lump sum)	10,800.00	9,000.00	8,500.00
10 cu.yd. rock excavation, in dredged and open excavation	10.00	30.00	30.00
350 cu.yd. concrete masonry, in place, with Portland cement mortar	30.00	30.00	25.00
80 cu.yd. brick masonry and appurtenant work in manholes laid with Portland cement mortar	20.00	50.00	25.00
15,000 lb. steel for concrete reinforcement and other purposes	.10	.15	.12
400 long tons rip rap, in place, including gravel backing	6.00	8.00	7.00
6,000 lin.ft. timber piles, in place	1.00	2.00	3.00
50 pile bents timber caps, blocks, wedges, etc.	6.00	20.00	20.00
Venturi meter, 18 x 36 in., complete (but without recording apparatus) and including all appurtenant work (lump sum)	4,550.00	2,500.00	2,500.00
Extended totals	$98,150.00	$113,750.00	$168,150.00

	A	B	C
Earth excavation, dredging and refilling, for 36-in. C. I. pipe line crossing Passaic River, etc., and all appurtenant work (lump sum)	$50,400.00	$60,000.00	$90,000.00
Laying 36-in. C. I. pipe line across Passaic River, furnishing of joint materials, etc., and all appurtenant work (lump sum)	8,300.00	8,000.00	5,000.00
50 cu.yd. rock excavation, in dredged and open excavations	10.00	30.00	1,500.00
60 cu.yd. concrete masonry, in place, with Portland cement mortar	25.00	30.00	1,500.00
20 cu.yd. brick masonry and appurtenant work, in manholes, laid with Portland Cement mortar	20.00	50.00	500.00
2,000 lb. steel for concrete reinforcement and other purposes	.10	.15	300.00
3,500 lin.ft. timber piles, in place	1.00	2.00	10,500.00
45 pile bents timber caps, blocks, wedges, etc.	6.00	20.00	900.00
Gate valve, 36 in., and appurtenances, complete, in place (lump sum)	2,875.00	1,200.00	1,000.00
Extended totals	$67,945	$81,700	$111,200

Tex., Wichita Falls—Administration, etc.—Until June 16, by Com. of Northwest Texas Insane Asylum, constructing 4 rein.-con. buildings, rein.-con. flooring, concrete foundation, at asylum, here, including administration building, dormitory, heating plant, etc. About $350,000. C. H. Page & Bro., Austin Natl. Bank Bldg., Austin, archts.

Colo., Brighton—School—Until June 23, by Bd. Dir. School Dist. No. 27, Adams Co., building brick and steel addition to present structure, rein.-con. foundation. About $50,000. Montjoy, French & Frewen, Chamber Commerce Bldg., Denver, archts.

Colo., Englewood—High School—Until June 23, by Bd. Dir. School Dist. No. 1, Arapahoe Co., building 2 story, brick and steel, rein.-con. foundation. About $80,000. Montjoy, French & Frewen, Chamber Commerce Bldg., Denver, archts.

Ariz., Globe—Schools—City election June 14, to vote on $80,000 bonds to build additions to high school and $100,000 to build grade school on Hill St. G. R. Hill, school trustee.

Cal., Colusa—Hotel—J. L. Swank is receiving bids building 4 story, concrete and brick on 7th and Market Sts. J. S. Gould, Colusa, archt.

Cal., San Jose—Hall—Until June 26, by W. F. McClure, state engr., Forum Bldg., Sacramento, building assembly hall at State Normal School here. About $80,000.

Que., Fraserville—Hospital—Until July 15, by town, building concrete, steel and stone hospital. About $100,000. P. Levesque, 115 St. John St., Quebec, archt.

Que., Montreal—Exchange—Until July 1, by Bell Telephone Co., 118 Notre Dame St. W., building concrete, steel and stone. About $75,000. W. J. Carmichael, 29 Hospital St., archt. Noted Apr. 3.

Que., Montreal—Theatre—Until June 21, by D. Dufort, archt., 195 St. Catherine St. E., building brick, concrete and steel, for S. Marstad, 1541 Notre Dame St., W. About $50,000.

Ont., Toronto—Schools—Until June 17, by Bd. Educ., 155 College St., building John Ross Robertson School, 2 story, brick, on Glenholme Ave., and 2 story, stucco, on Glengrove Ave. About $100,000 each. D. R. Franklin, 2 College St., archt. Noted May 15.

Ont., Welland—Fire Hall—Until June 16, by Town Council, building 2 story brick. About $60,000. C. M. Stapf, town clk. W. W. La Chance, Temple Bldg., archt. Noted Jan. 30.

Alta., Raymond—School—Until July 1, by Dept. Pub. Wks., Edmonton, building brick, steel and concrete school. About $50,000.

Alta., Youngstown—School—Until July 1, by Dept. Pub. Wks., Edmonton, building brick, concrete and steel school. About $50,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—See "Industrial Works."

★**Mass., Easthampton**—Bank—Hutchins & French, archts., 6 Beacon St., Boston, let contract, to MacDonald & Joslin Co., 161 Devonshire St., Boston, making extensive alterations in interior and building new marble exterior to 3 story bank, for Easthampton Savings Bank, 139 Main St. About $60,000. Noted June 5.

★**R. I., East Providence,** (Providence P. O.)—Club House—Metacomet Golf Club, Union Trust Bldg., let contract building 2 story, brick, to E. H. Bigney, 17 Custom House St., Providence. About $75,000. Noted Apr. 10.

★**R. I., Howard**—Administration—State Bd. Charitable and Penal Institutions, Providence, let contract converting 2 story fireproof service building, here, into administration building, to D. J. Barry, 60 East Manning St., Providence. About $50,000. Noted May 15.

★**R. I., Woonsocket**—Theatre—W. F. Fontaine, archt., 285 Main St., let contract, to J. F. Fleurant & Son, 158 Ratbun St., building 2 story, 50 x 100 ft. brick, concrete foundation on Cumberland and Clinton St., for Social Amusement Co., 11 Cumberland St. About $60,000. Noted May 8.

★**Conn., Bridgeport**—Loft—Mendelson Bros., 622 Water St., let contract building 3 story, 60x100 ft., brick and concrete, concrete foundation, on Strafford Ave., to S. W. Hubbell Bldg. Co., 589 Knowlton St. About $40,000.

★**Conn., Bristol**—School—Bd. Educ. let masonry and carpentry, contract building 3 story brick, steel and concrete addition to Park St. School, rein.-con. flooring, concrete foundation, to Torrington Bldg. Co., 197 Water St., Torrington. About $61,440 Noted Apr. 17.

Buildings (continued)

★Conn., Torrington—Theatre—H. Quittner, 421 Seaview Ave., East Norwalk, let contract building 64 x 135 ft. brick and steel, rein.-con. flooring, concrete foundation, on East Main St., here, to L. Longhi & Bro., Alhambra Bldg. About $90,000. Noted Mar. 27.

★N. Y., Brooklyn—School—Bd. Educ. let contract building P. S. 97, brick and steel, brick foundation, on Stillwell Ave., north of Ave. S, to P. Cleary, 115 Marion St. About $151,700. Noted May 15.

N. Y., Central Islip—Hospital, etc.—State Hospital Comn., Capitol, Albany, received lowest 3 bids June 4 building 3 story, 39 x 296 ft. addition to building for acute patients, with 3 wings, 35 x 39 ft., brick and rein.-con., concrete foundation, at Central Islip State Hospital, here, general contract from W. L. Crow Constr. Co., 103 Park Ave., New York City, $289,900; T. H. McHale & Son, Cahill Bldg., Syracuse, $293,200; M. Kantrowitz, 20½ Market St., Albany, $328,800; heating work, from W. B. Armstrong Co., 3 Fulton St., Albany, $22,842; Jarcho Bros., Inc., 22 East 105th St., New York City, $23,842; J. C. Williams, Inc., 233 Bway., New York City, $24,447. Noted May 15.

★N. Y., Cohoes—High School—Bd. Educ. let general contract building high school, on Columba St., to Hanrahan Bros., 336 Bwine Ave., Schenectady, $157,967; heating, to Johnstown Heating Co., 131 East 26th St., New York City, $29,653; plumbing, to Scotland & Munro, 72 Remsen St., $11,678. Noted June 5.

★N. Y., New York—Hotel—Crescent Realty Co., 26 East 23rd St., will build 16-story, 150 x 200 ft. brick and steel, brick foundation, on 5th Ave. and 50th St. About $500,000. Work will be done by day labor. Noted May 15.

★N. Y., New York—Loft, etc.—G. Ker, Inc., 350 West 38th St., will build 5 story, brick and steel loft and garage, rock foundation, at 354-358 West 37th St. About $70,000. Work will be done by day labor. Noted June 5.

★N. Y., New York—School—St. Bernards School, 4 East 98th St., let contract building 5-story, 25 x 62 ft. brick and steel, concrete foundation, at 12 East 98th St., to C. T. Wills, 286 5th Ave. About $70,000.

★N. J., Atlantic City—Hotel—H. Trumbauer, archt., Land Title Bldg., Phila., let contract building 12 story, 150 x 250 ft., concrete and brick, on Illinois Ave., to Cramp & Co., Denckla Bldg., Phila. Ritz-Carlton Hotel, Broad and Walnut Sts., lessee.

★Md., Aberdeen — Bank — First Natl. Bank let contract building 2½ story, 50 x 75 ft., rein.-con., steel and brick, concrete and rock foundation, to J. W. Waters Bldg. Co., 23 East Centre St., Baltimore. About $50,000. Noted May 29.

★Ky., Louisville—Office—Atherton Realty Co., Atherton Bldg., let contract building 11 story, 62 x 100 ft. rein.-con. addition, rein.-con. flooring, concrete foundation, on Chestnut St. west of 4th St., to A. Struck Co., Garden and Chestnut Sts. About $300,000.

O., Cleveland—See "Industrials."

★Mich., Detroit—Mercantile—E. Kern Co., 146 Woodward Ave., let contract building 10 story, 100 x 135 ft., rein.-con. and terra cotta, to S. W. Mark Constr. Co., Leader-News Bldg., Cleveland. About $650,000. Noted Apr. 24.

★Mich., Detroit—Office—Eureka Vacuum Cleaner Co., 1211 David Whitney Bldg., let contract building 4 story, concrete, brick and steel office and shop, concrete foundation, to A. W. Kutsche & Co., 817 Ford Bldg.

★Mich., Highland Park (Detroit P. O.)—Hospital—City let contract building 4 story hospital and 2 story powerhouse and laundry with connecting tunnel, rein.-con., brick and steel, concrete foundation, to O. W. Rosenthal Constr. Co., 80 East Jackson Blvd., Chicago, Ill., $241,600. Noted May 22.

★Ill., Chicago—Hotel—R. A. Pottinger, 4005 Irving Park Blvd., let contract building 4 story, 45 x 130 ft. rein.-con., rein.-con. flooring, concrete foundation, at 4028 Irving Park Blvd., to Healy Constr. Co., 4601 North Monticello Ave. About $100,000.

★S. D., Beresford—Bank—Security State Bank let contract building 1 story, 43 x 86 ft., brick and rein.-con., to Floyd Niebuhr Co., 1726 Newton Ave., North Minneapolis, Minn. About $50,000.

★Mo., St. Louis—Bank and Office—L. Haeger, archt., 3844 Utah Ave., let contract, to G. Moeller, 3520 Itaska Ave., building 2 story, 55 x 100 ft. rein.-con., steel and brick, rein.-con. flooring, rock foundation, at 3134-36 South Grand St., for Tower Grove Bank, Grand and Juniata Aves. About $65,000. Noted Mar. 6.

★Tex., Cameron—High School—City let contract building C. H. Yoe Memorial High School, on Hefley Heights St., to Page Bros., Austin Natl. Bank Bldg., Austin. About $100,000.

★Tex., Wichita Falls—Business—Lowry & Bacon let contract building 2 story brick and timber, concrete foundation to A. Taylor & Bros., Wichita Falls. About $60,000.

★Wash., Seattle—Sales—H. B. James, archt., Annex Bank Bldg., let contract, to J. Henrikson, Globe Blk., building 3 story, 92 x 120 ft., mill construction, rein.-con. flooring and concrete foundation, for E. E. Slegley, Summit and Pine Sts., $55,082.

★Wash., Tacoma—School—Bd. Educ. let contract building brick addition to Grant School, to Dawson & Dahlberg, 901 Market St., $63,407.

★Wash., Walla Walla — Bank — First Natl. Bank, 2nd and Main Sts., will build 9 story, 60 x 120 ft., concrete, on 2nd and Adler Sts. About $400,000. Work will be done by day labor under supervision of Beezer Bros., archts., Seaboard Bldg., Seattle.

★Cal., Los Angeles—Store and Loft—J. E. Carr, Investment Bldg., let contract building 5 story, 67 x 145 ft., rein.-con., brick and terra cotta, concrete foundation, at 621-25 South Bway., to Darrell Condley Co., 520 Marsh-Strong Bldg., $100,500.

Federal Government Work

PROPOSED WORK

N. Y., New York—Dredging—U. S. Engr. Office, 601 Army Bldg., rejected bids dredging in Woodbridge Creek and Raritan Bay, N. J. No bids were received for dredging Keyport Harbor. Noted Apr. 3.

W. Va., Camp Humphries—Gas Plant and Distribution System—Constr. Div., War Dept., Wash., D. C., plans to build artificial gas plant and distribution system, here.

Fla., Key West—Oil Burning Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., received no bids furnishing oil burning equipment for boilers at Naval Sta.; Spec. 3847. About $6500. Noted May 22.

Ore., Chemawa—Repairs and Improvements—Congress appropriated $150,000 for repairs and improvements at Indian Training School here, including roads, walk, etc.

BIDS DESIRED

R. I., Coddington Point—Tank and Tower—Until June 25, by Bureau Yards and Docks, Navy Dept., Wash., D. C., erecting tank and tower, here; Spec. 3937. About $14,000. Noted June 5.

N. Y., West Point—Building Wing—Until June 30, by Quartermaster, West Point, building east wing of gun shed and wings for artillery and cavalry barracks; advertised in this issue.

Pa., Phila.—Assembly Shop—Until June 25, by Bureau Yards and Docks, Navy Dept., Wash., D. C., building extension to assembly shop, here; Spec. 3927. About $700,000; $10 deposit required for plans and spec. Noted June 5.

Pa., Pittsburgh—Locks and Dams—Until July 7, by U. S. Engr. Office, Pittsburgh, building locks and fixed dams in Ohio River, near Emsworth; advertised in this issue.

Md., Baltimore—Foundation—Until June 20, by Supt. Lighthouses, Baltimore, building foundation for Wade Point Light Sta., N. C.

D. C., Wash.—Fuel Oil—Until July 1, by A. L. Flint, purch. agt. for Panama Canal Wash., furnishing and delivering 300,000 bbls. at Cristobal and 700,000 bbls. at Balboa. Noted May 8.

D. C., Wash.—Sewer—Until June 23, by Dist. Comrs., Dist. Bldg., constructing Luzon Ave. Trunk Sewer; advertised in this issue.

Va., Hampton Roads—Tank and Tower—Until June 25, by Bureau Yards and Docks, Navy Dept., Wash., D. C., erecting tank and tower, here; Spec. 3936. About $14,000. Noted June 5.

Va., Quantico—Storehouses—Until June 18, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 12 metal storehouses, here. Spec. 3916. About $300,000; $10 deposit for plans and spec. Noted June 5.

S. C., Paris Island—Tank and Tower—Until June 25, by Bureau Yards and Docks, Navy Dept., Wash., D. C., erecting water tank and tower, here; Spec. 3935. About $14,000. Noted June 5.

O., Cincinnati — Gate-Operating Machinery—Until July 8, by U. S. Engr. office, 1st. Dist., Cincinnati, furnishing and delivering gate-operating machinery for Dams Nos. 33 and 39, Ohio River; advertised in this issue.

Wis., Milwaukee—Revetment Repairs—Until June 30, by U. S. Engr. Office, Milwaukee, repairing pile substructure and building concrete superstructure on south revetment, St. Joseph Harbor, Mich.

Minn., Montevideo—Post Office—Until July 9, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building post office, here; advertised in this issue.

Tex., Pittsburgh—Post Office—Until July 8, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building, here.

Ariz., Holbrook—Road Work—Until June 23, by Bureau Pub. Rds., U. S. Dept. of Agriculture, 218 Luna Strickler Bldg., Albuquerque, N. M., building 14.8 mi. Sect. 2, Snowflake-Pinetop Project, Navajo Co., involving 100 cu.yd. rock and 50,860 cu.yd. earth excav., 38,300 lin.ft. protection ditches, 636 lin.ft. 18 in. and 263 lin.ft. 24 in. corrugated iron culverts, one 8 ft. and one 10 ft. span timber bridges and 140 cu. yd. dry rubble headwalls. J. S. Bright, Dist. Engr.

Cal., San Diego—Pipe Line—Until June 25, by Bureau Yards and Docks, Navy Dept., Wash., D. C., building gas pipe line system here; Spec. 3939. About $8900; $10 deposit required for plans and spec. Noted June 5.

H. T., Pearl Harbor—Hospital—Until June 25, by Bureau Yards and Docks, Navy Dept., Wash., D. C., building, here; Spec. 3931. About $300,000; $40 deposit required for plans and spec. Noted June 5.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—Repairing Pier Walls—Bureau of Yards and Docks, Navy Dept., Wash., D. C., received bids June 4, repairing wall of Pier No. 1, (1) work complete, from

Mansfield & Savage, 135 William St., New York City, (1) $0.30; (2) $3.84; (3) $0.108; (4) $0.30; (5) $3. (90 days).

Dewey Cement Gun Constr. Co., 836 Hamilton St., Allentown, Pa., (1) $0.50; (2) $2.45; (3) $0.40; (4) $0.60; (5) $2.45, (90 days).

New England Cement Gun Co., 61 Bway., New York City, (1) $0.60; (2) $2.70; (3) $0.40; (4) $0.60; (5) $2.70. Noted May 22.

★Mass., Boston—Wharf—Supt. Lighthouses let contract rebuilding wharf at lighthouse depot, Woods Hole, to Mansfield & Savage, 135 William St., New York City, $12,998. Noted Apr. 3.

Mass., Chatham—Roads—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids June 4, building roads and sidewalks and resurfacing existing road, at Naval Air Sta., here, (1) work complete, from

Coleman Bros., 1 Marginal St., Chelsea, Mass., (1) $7270, (45 days); (2) $1.75; (3) $1.75.

H. S. Roberts & Co., 1123 Bway., New York City, (1) $9987; (2) $5.; (3) $5. Noted May 15.

★Mass., Springfield—Alterations—U. S. Arsenal, Hill Shops, let contract altering engine room, here, to A. E. Stephens Co., 318 Main St., $25,000.

R. I., Newport — Boathouse — Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids June 4, building boathouse at Naval Torpedo Sta., Goat Island, (1) work complete, from

Oscawana Bldg. Co., 101 Park Ave., New York City, (1a) $91,970, (150 days); (2a) $8800; (3a) $9000.

Federal Government Work (Continued)

H. S. Roberts & Co. 1123 Bway, New York City, (1) $97,550, (150 days); (2) $7917; (3) $8550.

G. Howard and Sons Co., 153 Main St., Brockton, Mass., (1a) $103,100; (2a) $11,000; (3a) $8,900. Noted May 15.

N. J., Cape May — Storage Tanks — Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids June 4, installing diesel and gasolene oil storage tanks, here, (1) work complete, from

Mansfield & Savage, 135 William St., New York City, (1) $82,986, (150 days); (2) $14; (3) add $1., deduct $0.15; (4) add $600; (5) $100; alternate (1) $78,990, (150 days).

Simpson & Brown, 90 West St., New York City, (1) $87,278, (150 days); (2) $10.50; (3) add $0.60, deduct $01; (5) $200. Noted May 15.

Pa., Ft. Mifflin—Fence—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids June 4, building, here; (1) work complete, from

Wright Wire Co., 69 Hammon St., Worcester, Mass., (1) $14,400; (2) $1.81; (3) $60.

Wayne Iron Wks, 818 Commonwealth Trust Bldg., Phila., Pa., (1) $14,800, (120 days); (2) $1.80; (3) $70.

Cyclone Fence Co., 403 Stock Exchange Bldg., Phila., Pa., (1) $15,951; (2) $1.98; (3) $84; alternate (1) $14,922, (60 days); (2) $1.85. Noted May 15.

Pa., Phila.—Heating and Humidifying Apparatus—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids June 4, installing at Aircraft Storage Plant, here, from

Enterprise Steam & Hot Water Heating Co., 600 North Howard St., Baltimore, Md., (1) $62,529, (120 days).

Austin Heating Corp., 121 West 42nd St., New York City, (1) $64,425, (120 days).

H. E. Crook, 28 Light St., Baltimore, Md., (1) $64,500, (120 days). Noted May 15.

★**Md., Baltimore**—Rip Rap—Supt. Lighthouses let contract furnishing and placing rip rap stone at light stations in Chesapeake Bay and Potomac River, to Port Deposit Quarry Co., Port Deposit, $33,180. Noted Apr. 17.

★**D. C., Wash.**—Grading—Dist. Comrs., Dist. Bldg., let contract grading (1) Douglas and Polk Sts.; (2) Whittier St., to G. Hymene, 2209 F St., N. W., (1) $.74 per cu.yd.; (2) $.58 per cu.yd. Noted May 22.

D. C., Wash—Partitions—Bureau Yards & Docks, Navy Dept., Wash., received bids building partitions for machine shop, from A. C. Moses & Co., 916 New York Ave., $42,500 (75 days); C. & H. Engr. Co., Colorado Bldg., $44,950 (100 days); Hyde & Baxter, Wash., $45,990 (100 days). Noted June 5.

Va., Hampton Roads—Electric Freight Elevator—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids installing 12 elevators in 6 and 3 story storehouses, at Naval Operating Base, here, from

Kastner & Hecht Co., 501 South Thropp St., Chicago, Ill., (1) $112,644, (150 days).

Otis Elevator Co., Metropolitan Bank Bldg., Wash., D. C., (1) $115,775.

A. B. See Electric Elevator Co., 220 Bway., New York City, (1) $114,410, (150 days). Noted May 15.

★**Va., Hampton Roads**—Motor Generator Sets and Switchboard—Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract installing at Submarine Base, here, to Genl. Electric Co., River Rd., Schenectady, N. Y., $44,050 (150 days). Noted June 5.

Va., Hampton Roads—Revolving Platform—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids June 4, building at Naval Sta., here, from

Mansfield & Savage, 135 William St., New York City, (1) $11,131, (60 days).

Carroll Electric Co., 714 12th St., Wash., D. C., (1) $11,975 (60 days).

King Lumber Co., Charlottesville, Va., (1) $12,400, (60 days). Noted May 15.

S. D., Bellefourche—Post Office—J. A. Wetmore, super archt., treas. dept., Wash., D. C., received bids June 6, building post office, here, (1) limestone; (2) sandstone, from C. E. Goodhand, Chadburn, Neb., (1) $68,000; (1a) $54,750; W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., (1) $68,970; (1a) $56,600; Northern Constr. Co., 421 Milwaukee St., Milwaukee, Wis., (1a) $59,470; (2b) $59,980. Noted May 1.

Tex., Denton—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids June 5, building post office, here, from Cooper-Lund Inc., Newark, N. J., $63,426; J. F. McKnight, Hallettsville, $63,735; A. W. Lane, 19 South La Salle St., Chicago, Ill., $68,153. Noted May 15.

Tex., Galveston—Air Station—Bureau Yards and Docks, Navy Dept., Wash., D. C., received bids June 4, developing Naval Air Sta., here, (1) work complete, from

C. E. Carson Co., 155 North Clark St., Chicago, Ill., (1a) $749,800, (240 days); (1b) add $18, deduct $8; (1c) add $0.75, deduct $0.25; (2a) $10,500; (4a) $100; (4b) $2500; (4c) 6 in. $175, 8 in. $225, 10 in. $275, 12 in. $300;

Horton & Horton, McKinney and Valesco Sts., Houston, Tex., (1a) $756,900, (210 days); (1b) $14; (1c) $0.45; (2a) $12,400; (3a) $13,500; (4a) 800; (4b) $4900; (4c) 6 in. $59, 8 in. $80, 10 in. $99, 12 in. $126,

English Bros., 418 Lincoln Bldg., Champaign, Ill., (1) $782,000 (240 days); (1b) $20; (1c) $1; (2a) $13,840; (3a) $17,840; (4a) $1156; (4b) $3000; (4c) 6 in. $95, 8 in. $107, 10 in. $120, 12 in. $140. Noted May 8.

Miscellaneous

PROPOSED WORK

Granite Paving Blocks—Providence, R. I.—Bd. Contr. & Supply soon lets contract furnishing 150,000 granite paving blocks. W. C. Peekey, clk.

Conduit — Binghamton, N. Y. — G. Q. Moon & Co., 203 Chenango St., having plans prepared for conduit from railroad tracks to their elevator on Depot St. and conveyor system for handling grain. About $22,000.

Coal Trestle—Cape Vincent, N. Y.—Montreal Transportation Co. plans to build concrete and steel coal handling trestle at its wharves here. About $75,000.

Water Tower—Owings Mills, Md.—Maryland State School for Feeble Minded, Rosewood, near here, plans to build water tower, 75 ft. high and 36 ft. diameter, stone and steel frame, concrete and stone foundation, concrete top and outside spiral stairway. About $55,000. F. W. Keating, supt. C. L. Reeder, 300 Park Ave., Baltimore, engr.

Park—Columbia, S. C.—R. C. Keenan, 1228 Elmwood Ave., has donated 50 acres wooded land, 1½ mi. from center of city, on condition that city spend $50,000 for improving and equipping same as park. T. K. Legare, Columbia, engr.

Park and Resort—Tampa, Fla.—City plans to build park and resort on Big Island. Plans include sea wall, driveways and ½ mi. bridge. Cost between $250,000 and $1,000,000.

Elimination of Grade Crossings—Columbus, O.—City election about August to vote on $300,000 bonds to complete work of eliminating grade crossings. H. Maetzel, city engr.

Freight Shed and Loading Platform—Detroit, Mich.—See "Industrial Works."

Tunnel—Highland Park (Detroit P. O.), **Mich.**—See "Buildings."

Pier—Port Huron, Mich.—City having plans prepared by E. W. Whitmore, engr., City Hall, for protection pier at lake end of Black River Canal and gate for controlling flow of water from Lake Huron into canal, wood and concrete piling. About $10,000.

Dock—Wyandotte, Mich.—City receives bids about June 24 capping 36 x 100 wood pile dock with rein.-con. wall below water, earth and cinder fill, cinder roadway. M. L. Brown & Son, 821 Chamber of Commerce, engr.

Platforms—St. Paul, Minn.—State Agricultural Society plans to build 2 concrete platforms, 600 ft. long, and 2 sidings 600 ft. long, 16 ft. wide, from Como Ave. west between Sherwood and Packard Aves. About $20,000. J. B. Irvine, 408 Globe Bldg., engr.

River Improvements—St. Paul, Minn.—City having plans prepared for improvements to water front on both sides of Mississippi River. A. Claussen, city engr.

Artificial Mountains and Concrete Cliffs—St. Louis, Mo.—Bd. Pub. Service receives bids building artificial mountains and concrete cliffs in Zoo at Forest Park. About $40,000. N. Cunliff, comr.

Dam—Boulder, Colo.—City plans election soon to vote on $25,000 bonds to repair Goose Lake Dam. W. D. Smith, city engr.

Docking Facilities—Vancouver, Wash.—Port of Vancouver Comn. plans to build import and export docking facilities. About $25,000 now available. W. Schwabacher, city engr.

Pavilion—Astoria, Ore.—R. J. Smith plans to build dancing pavilion on 14th and Bond Sts. About $100,000. Architect not selected.

Tanks-Portland, Ore.—Pub. Dock Comn. soon receives bids building two 2000 bbl. and two 1000 bbl. tanks, with necessary piping, etc. About $48,000. G. B. Hegardt, c/o Dock Comn., engr.

River Improvement—El Centro, Cal.—Imperial Irrigation Dist. election July 1 to vote on $2,500,000 bonds to improve Colorado River. Work consists of flood protection work, upkeep of canals, irrigation work and to pay $800,000 debts. F. H. McIver, secy. J. N. Perry, Calexico, engr.

Shed—Oakland, Cal.—Parr-McCormick Terminal Co., foot of 7th St., rejected bids building 1 story, 120 x 500 ft., timber transit shed. Noted May 29.

Garbage Incinerator—Niagara Falls, Ont.—City plans to install garbage incinerator. About $18,000. P. C. Thomas, chn. com.

Stadium—Toronto, Ont.—City plans to build stadium on Rosedale grounds. About $53,000. Architect not selected.

BIDS DESIRED

Electrifying—Lackawanna, N. Y.—Until June 16, by Bd. Common Council, furnishing labor and material for electrifying pumping station. J. O'Connor, city clk.; advertised in this issue.

Paving Brick—Garrick, Pa., (Pittsburgh P. O.)—Until June 20, by Street Com., furnishing 40,000 vitr. block paving bricks. T. J. McGovern, boro. engr.

Flood Prevention Project—Lebanon, Pa.—Until June 25, by Mayor and Council, furnishing labor and materials required to construct Contr. No. 4 of flood prevention project. Work includes building 2200 ft. rein.-con. culvert and involves 6000 cu.yd. excav., 2000 cu.yd. concrete and 63,000 lb. reinforcement. P. A. Volcker, city engr.; advertised in this issue.

Road Material—Pittsburgh, Pa.—Allegheny Co. Controller receiving bids furnishing concrete monuments, concrete pipe, brick block and sand. R. V. Warren, Court House, engr.

Sewer Pipe, etc.—Chipley, Fla.—Until June 17, by Standafer, town clk., furnishing 41,865 ft. 8-15 in. sewer pipe, 112 tons 6-8 in. Class "B" c.i. pipe, 2000 lb. reinforcing steel, 101 manhole rings and covers, 220 manhole steps, 350 bbl. Portland cement, 6500 lbs. pig lead, 83,000 hard brick, etc. Carter & Butts, Geneva, Ala., engrs.

Pipe and Special Castings—Akron, O.—Until June 20, by H. S. Morse, dir. pub. serv., furnishing 210 tons 12 in. Class "B," 5 tons 12 in. Class "C," 215 tons 10 in. Class "B," 5 tons 10 in. Class "C," 185 tons 8 in. Class "B," 5 tons 8 in. Class "C," 245 tons 6 in. Class "B," 15 tons 6 in. Class "C," 60 tons 4 in. Class "B," 10 tons 4 in. Class "C" pipe and 30 tons special castings.

Water Tube Boilers, Stokers and Radial Brick Chimney—Lorain, O.—Until July 2, by Bd. Educ., installing water tube boilers and stokers and building radial brick chimney at high school boiler house. Watson Eng. Co., 1101 Hippodrome Bldg., Cleveland, engrs.

Motors and Pumps—Galesburg, Ill.—Until June 16, by W. L. Boutelle, city clk., for one 30 hp. 220 volt, 3 phase, 60 cycle, slip ring type motor, 1800 r.p.m., three 40 hp. 220 volt, 3 phase, 60 cycle, slip ring type motor, 1800 r.m.p. and three 600 g.p.m. motor driven direct connected centrifugal pumps working under discharge pressure of 60 lb.; advertised in this issue.

Miscellaneous (Continued)

Water Meters—St. Paul, Minn.—Until June 16, by H. W. Austin, purch. agt., Bur. Water Supply, City Hall, furnishing 300 ¾ in. disc. type water meters as required for 1919.

School Equipment—Fargo, N. D.—Until July 2, by Bd. Educ., furnishing equipment for New Combination School, covering the following lettings: (1) cabinet work, (2) miscellaneous furniture, (3) metal book stacks, (4) metal lockers, (5) gymnasium equipment, (6) kitchen equipment, (7) pupils desks and opera chairs, (8) cork carpet, (9) art drawing tables, (10) window shades, (11) printing equipment, (12) wood working equipment, (13) ash hoist, (14) machine shop equipment, (15) traverse curtains, (16) stage scenery, (17) clocks, bells, telephones and fire alarm system, (18) electric light fixtures. E. G. Guthrie, secy., advertised in this issue.

Levee—Bridge Junction, Ark.—Until June 30, by St. Francis Levee Dist., Bridge Junction, extending levee 4 mi. to mouth of St. Francis River, involving 700,000 cu. yd. dry earth embankment. H. N. Pharr, Bridge Junction, engr.

Power Plant Equipment—Los Angeles, Cal.—Until June 27, by Bd. Pub. Serv., 645 South Olive St., furnishing hydraulic equipment, electric generators, transformers, auxiliary electric equipment and appurtenances for Power Plant No. 2 in San Francisquito Canyon, northeast of Chatsworth P. O. About $500,000. E. F. Scattergood, ch. electrical engr. Noted May 29 under "Industrial Works."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Asphaltic Oil — Boston, Mass. — Comr. Pub. Wks. let contract furnishing 200,000 gal. 45% asphaltic oil, to A. Speares Sons, 156 6th St., $0.045 per gal.

★Stack—New Haven, Conn.—Pond Lily Co., 1475 Whalley Ave., let contract building 125 ft. brick stack and concrete foundation, to J. W. Leonard Co., 902 Chapel St. About $10,500.

Capstans and Hoists—Albany, N. Y.—L. Nixon, supt. pub. wks., Capitol, received only bid furnishing, testing and delivering electric capstans and trolley hoists at various barge canal terminals, Contr. 113, from Gen. Electric Co., 527 West 34th St., New York City, $14,000; furnishing, testing and delivering battery charging motor generator sets with switchboard panels for barge canal terminals in New York City, Contr. 117, from Electric Products Co., 1067 East 152nd St., Cleveland, O., $5293; Gen. Electric Co., River Rd., Schenectady, $5577; J. Livingston & Co., Grand Central Terminal, New York City, $7640. Noted May 15.

★Bituminous Material—St. George, S. I., N. Y.—C. D. Van Name, pres. Richmond Boro., let contract furnishing and delivering in tank cars at any railroad station in borough, 65,000 gal. bituminous material for road surfacing, to Barrett Mfg. Co., 17 Battery Pl., New York City, $5200. Noted May 22.

★Laundry Machinery—Wards Island, N. Y.—State Hospital Comn., Capitol, Albany, let contract for laundry machinery and motors at Manhattan State Hospital, here, to J. Livingston & Co., Inc., 70 East 45th St., New York City, $11,950. Noted May 29.

★Fence—Camden, N. J.—Fairview Realty Co., Fairview Ave. and Bway., let contract building 80,000 ft. fence, concrete posts, 2 strand and 1 strand wire pump chain, to J. S. Rogers Co., Drexel Bldg., Phila. About $25,000.

★Bunker—Newark, N. J.—Pub. Serv. Elec Co., Terminal Bldg., will build 48 x 90 ft. extension to bunker at Point-No-Point power plant, here. About $150,000. Work will be done by day labor.

★Road Machinery—Harrisburg, Pa.—State Highway Comn., Harrisburg, let contracts furnishing (a) 7 rollers, (b) 13 rollers, (c) 10 rollers, (d) 8 traction engines, (e) 2 traction engines, (f) 2 traction engines, (g) 6 crushers, (h) 2 crushers, (i) 4 crushers, (j) 10 sprinklers, (k) 10 sprinklers, (l) 6 gasoline pumps, (m) 5 street sweepers, (n) 12 asphalt heating kettles, (o) 6 air drills, (p) 6 compressors, (q) 6 chip distributors, to Good Roads Mchy. Co., Kennett Square, (a) $29,050, (f) $4905, (i) $10,632, (k) $4620; Buffalo Springfield Roller Co., Springfield, Ill., (b) $58,500; Austin Western Road Machy. Co., 910 South Michigan Ave., Chicago, (c) $42,150; Galion Iron Wks. & Mfg. Co., Telephone Bldg., (d) $16,885, (g) $12,750; Acme Road Machy Co., 120 Liberty St., New York City, (e) $3752, (h) $5085, (j) $3940; Central Constr. Co., Commonwealth Trust Bldg., (l) $1220; C. Evans Co. Inc., (m) $1800, (q) $2700; Penn Fdry. & Mfg. Co., Wyomissing, (n) $227; J. J. Shannon & Co., 1744 Market St., Phila., (o) $660; C. D. Schramm & Son, 709 Arch St., Phila., (p) $2277. Noted May 8.

★Crushed Stone, etc.—Pittsburgh, Pa.—Allegheny Co. let contracts furnishing 50,000 tons crushed stone, 2 mechanical unloaders and 2 street sweepers, to J. M. McGuire, Westinghouse Bldg.; Clydesdale Brick Co., Oliver Bldg.; Booth & Flynn, 1942 Forbes St.; H. J. Orth, Hotel Henry; Hillside Stone Co., Farmers' Bank Bldg., and Pennsylvania Lime and Ballast Co., Noted May 22.

Retaining Wall — Detroit, Mich. — See "Bridges."

★Paving Blocks—Minneapolis, Minn.—City let contract furnishing 100,000 sq.yd. 3½ in. yellow pine creosoted paving blocks, to Republic Creosoting Co., 1614 Merchants Bank Bldg., Indianapolis, Ind., $2.10½ per sq.yd. Noted May 15

★Lighting System—Mandan, N. D.—City let contract furnishing and installing ornamental street lighting system on 77 blocks, to M. S. Hyland, 1114 8th Ave., Fargo. About $38,000. Noted May 1.

★Dry Kiln—St. Louis, Mo.—St. Louis Mfg. Corp., 5401 Bulwer Ave., let contract building 1 story, 84 x 443 ft. dry kiln, at 5479-5511 Natural Bridge Ave., to H. Haeseler Bldg. and Constr. Co., 621 Wainwright Bldg., $100,977.

★Dam and Canal—Gila Bend, Ariz.—Gila Water Co., c/o F. A. Gillespie, Tulsa, Okla., let contract building rein.-con. multiple arch diversion dam, 1680 ft. long, 20 ft. high with concrete pile foundation and concrete apron, 100 ft. long and 2 ft. thick, two 8 x 15 ft. sluice gates, requiring about 30,000 cu.yd. rein.-con., also restoring main canal, to Sherer & Crowley, 607 Pacific Electric Bldg., Los Angeles. About $695,000. Contractor sublet contract for dam and headgate both to cost $650,000, to W. Ledbetter & Co., engrs., Pacific Electric Bldg., Los Angeles. Owners will furnish all cement for project and also construct distribution system to supply irrigation water to about 72,000 acres of land.

Ferry Dock—Seattle, Wash.—Comrs. King Co. received bids building Vashon Heights ferry dock and landing, creosoted piling, from J. A. McEachern Co., Bell St. Dock, $23,400; C. C. Snyder Co., Pacific Blk., $24,768; P. Manson, 2407 Boylston St., $25,578. Noted May 15.

★Road Oil—Los Angeles, Cal.—City let contract furnishing 81% road oil to oil heating plant, for year ending July 1, to C. C. Harris Oil Co., 701 College St., $12.65 per ton. Noted May 29.

★Dock—Winchaven, Cal.—Richmond Belt Line Co., Richmond, let contract building addition and repairs to dock here, to J. D. Hannah, 142 Sansome St., San Francisco. $120,000.

★Road Oil—Winnipeg, Man.—City let contract furnishing 5 to 10 tank cars of road oil of 40% and 60% asphaltic base, to Imperial Oil Co., Ltd., 56 Church St., Toronto, Ont., $12.85 per gal. Noted Apr. 3.

WATER SYSTEM—NEWARK, N. Y.

Bids were received by City, June 2, for constructing gravity water supply system, Div. No. 1, earthen dam and dykes, from (A) Lupfer & Remick, Ellicott Sq., Buffalo; (B) Brown, Low & Low Bros.; (C) Foundation Co., 233 B'way., New York City; (D) E. W. Foley Co., $70,880; Div. No. 2, mechanical filtration plant, awarded to Norwood Eng. Co., $24,960; Div. No. 3, laying Bell and Spigot cast iron pipe, (A) J. F. Leary Constr. Co., Cutler Bldg., Rochester; (B) Foundation Co., 233 B'way., New York City; (C) Bruno Pizzementi; (D) Tifft Constr. Co., $46,458 and $40,694. Div. No. 4, furnishing Bell and Spigot cast iron pipe, (A) U. S. Cast Iron Pipe & Foundry Co., 71 B'way., New York City; (B) Warren Fdry. & Machine Co., 11 B'way., New York City; (C) Camden Iron Works., Camden, N. J.; (D) John Fox & Co., 253 B'way., New York City. The unit bids of the lowest 3 bidders were as follows:

DIVISION 1

	A	B	C
Clearing and grubbing (lump sum)	$1.40	$1.00	$1.25
2,300 cu.yd. earth excavation core wall and pipe trenches	1.00	.80	.55
28,600 cu.yd. embankment in dam and dikes			
4,200 sq.yd. riprap	1.35	1.00	1.40
100 sq.yd. cobble gutter	1.20	1.50	1.75
200 cu.yd. class "A" concrete	12.90	14.00	17.65
475 cu.yd. class "B" concrete	14.50	12.00	20.50
2,450 cu.yd. class "C" concrete	7.00	11.00	11.50
300 lin.ft. laying 14-in. cast iron	6.00	25.00	13.00
4 (pipe) valves 14-in. hauling and setting in place	12.00	25.00	13.00
6 14-in. flanged special castings hauling and setting in place	12.00	10.00	13.00
1 setting valve stem and wheel	.20	.10	.10
1,200 lb. miscellaneous steel ladder, reinforcing steel, etc.	1.20	2.50	.60
900 lin.ft. 10-in. vitrified tile pipe furnished in place	.90	.80	.20
50 lin.ft. 4-in. vitrified tile pipe furnished in place	25.00	15.00	18.50
1 wooden rack furnished in place	12.00	20.00	13.50
1 hauling and setting 14-in. fish trap			
Extended totals	$66,918	$68,425	$69,067

DIVISION 3

	A	B	C
38,350 lin.ft. hauling and laying 14-in. cast iron pipe	$0.70	$0.88	$0.89
120 lin.ft. hauling and laying 6-in. cast iron pipe	.50	.80	.60
6 hauling and setting 14-in. valves	20.00	13.00	25.00
5 hauling and setting 6-in. valves	15.00	13.00	10.00
5 hauling and setting 1-in. air valves	5.00	2.65	5.00
400 ft. creek crossing	10.00	10.70	25.00
Extended totals	$31,125	$38,280	$44,429
Alternate bids Universal pipe	$31,125	$24,474	$37,130

DIVISION 4

	A	B	C
200 ton 14-in. class "B" cast iron pipe	$48.40	$49.50	$51.10
1550 ton 14-in. class "A" cast iron pipe	49.40	50.50	51.60
2 ton 6-in. class "A" cast iron pipe	49.40	54.00	51.60
1,600 lb. flanged special castings	.07½	.07½	.06½
6,000 lb. bell and spigot (8,000) special castings	.05½	.06	.06½
1 14-in. flanged fish trap	110.00	110.00	50.00
Extended totals	$86,909	$88,873	$90,832

Alternate bid Universal Pipe, Central Fdry Co., 90 West St., N. Y. City, $115,707.

Prices bid at Newark, N. Y., on June 2, on a $300,000 gravity water supply system were notably low, as shown by the above tabulation. With gravel available at the site of the Newark dam, the corewall concrete is particularly cheap as to cost. The plans were prepared by James P. Wells, Rochester, N. Y.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: June 24.

Construction, Heating, etc.

Extension Notice

The time for the receipt of bids for the work at Sing Sing has been extended to Tuesday, June 24th, at 2:30 o'clock P.M. Bids to be received at Room 618, Hall of Records Building, Center and Chambers Streets, New York City, by Charles F. Rattigan, Superintendent.

Ossining, N. Y.

CONSTRUCTION WORK—Mess Hall and Kitchen Building (No. 4); Detention Building (No. 5); Outside Cell Building (No. 7); Clinic Building (No. 8); and Pump House and Reservoir;

HEATING WORK—Mess Hall and Kitchen Building (No. 4); Detention Building (No. 5); Outside Cell Building (No. 7); and Clinic Building (No. 8);

SANITARY WORK—Mess Hall and Kitchen Building (No. 4); Detention Building (No. 5); Outside Cell Building (No 7); and Clinic Building (No. 8);

ELECTRIC WORK—Mess Hall and Kitchen Building (No. 4); Detention Building (No. 5); Outside Cell Building (No. 7); and Clinic Building (No. 8);

NEW BOILERS—Two new 400 Hp. Water Tube Boilers,

at Sing Sing Prison, Ossining, N. Y., will be received by Hon. Chas. F. Rattigan, Superintendent of State Prisons, Room 618, Hall of Records Building, Centre and Chambers Streets, New York City, until 2:30 o'clock P.M., on Tuesday, June 24, 1919, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent. (5%) of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent. (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3229, 3230, 3231, 3232, 3233, 3220, 3223, 3226, 3252, 3221, 3224, 3227, 3222, 3225 and 3228. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the office of the Warden of Sing Sing Prison, Ossining, N. Y.; at Room 618, Hall of Records, New York City, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

Dated: May 14, 1919.

Price, $3.60 an inch—Copy can be received until Wednesday, 10 a.m., for issue out the next morning.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

OFFICIAL PROPOSALS

Bids: June 17.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS, ALBANY, N. Y.

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock P.M., on Tuesday, June 17, 1919, for the improvement of the following highways:

CHENANGO—Three highways: 4.78, 5.57, 5.87.
ERIE—One highway: 5.78.
ESSEX—Two highways: 8.85, 1.09.
FULTON—Three highways: 2.80, 4.90, 1.06.
ONONDAGA—Two highways: 7.45, 3.75.
RENSSELAER—Two highways: 1.44, 4.95.
ALSO FOR THE COMPLETION OF THE FOLLOWING HIGHWAYS:
BROOME—One highway: 4.70.
CATTARAUGUS—One highway: 2.17.
NASSAU—One highway: 1.57.
AND ALSO FOR THE REPAIR OF THE FOLLOWING HIGHWAYS:
FULTON—One contract, reconstruction.
HERKIMER—One contract, resurfacing.
MONROE—Two contracts, resurfacing.
MONTGOMERY—One contract, reconstruction.
ONEIDA—One contract, timber crib-stone fill.
WESTCHESTER — One contract, reconstruction.

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads to be improved are located. The addresses of the division engineers and the counties of which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" on the itemized proposal, specifications and contract agreement.

FREDERICK STUART GREENE,
Commissioner.

R. K. FULLER, Secretary.

OFFICIAL PROPOSALS

Bids: June 16.

Road Work

WASHINGTON COUNTY ROAD DISTRICT NO. 2

Fayetteville, Arkansas.

Sealed bids will be received at the office of the Secretary, W. J. Reynolds, at Fayetteville, Arkansas, until 4 P.M., June 16, 1919, and will then be publicly opened and read. The work contemplated is the building of 52.00 miles of limestone macadam and 2 miles of bituminous macadam road, through the towns of Winslow, Fayetteville, and Goshen, Arkansas. Separate bids will be received on the steel bridges and the culvert tile. The item, hauling and placing tile will be included in the general bids, however. Bids will be compared upon a basis of the Engineers' estimate, copies of which may be obtained free of cost from the Engineers or the Secretary.

Plans and specifications are on file at the office of the State Highway Department, Little Rock, Ark.; at the office of the Secretary, J. W. Reynolds, Fayetteville, Arkansas, and at the office of the Engineers, Fayetteville, Ark.

Bids must be accompanied by a certified check, payable to the order of the Secretary of the District, in the sum of 5% of the amount of the bid. A construction bond of 25% of the contract will be required of the successful bidders. The right is reserved to reject any or all bids.

Board of Commissioners Washington County Road District No. 2.

C. W. APPLEBY, President.
W. J. REYNOLDS, Secretary.
J. V. WALKER, Attorney.
Fayetteville, Ark.

HAMILTON & SHREVE, Engineers,
Fayetteville, Ark.

Bids: July 9.

Classification and Appraisal of Lands

Shelby, Montana.

Sealed bids are called for by the Board of County Commissioner, Toole County, Montana, for the classification and appraisal of all lands in Toole County, comprising approximately fifty-four and one-half townships.

Specifications for said work can be had upon application to the County Clerk, Shelby, Montana. Bids to be in by 2 o'clock P.M., July 9, 1919, at which time they will be publicly opened.

The Board reserves the right to reject any or all bids.

By Order of the Board of County Commissioners Toole County, Montana.

H. E. MOODY, Clerk.

U. S. ENGINEER OFFICE, Pittsburgh, Pa.—Sealed proposals will be received at the U. S. Engineer Office, Pittsburgh, Pa., until 12 noon (Eastern time), July 7, 1919, and then opened, for constructing locks and fixed dams in the Ohio River, near Emsworth, Pa. Further information on application.